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=> s human growth hormone AND human insulin A chain AND human insulin B chain AND chaotropic

9 FILES SEARCHED...
11 FILES SEARCHED...
16 FILES SEARCHED...
21 FILES SEARCHED...
29 FILES SEARCHED...
33 FILES SEARCHED...
41 FILES SEARCHED...
47 FILES SEARCHED...
48 FILES SEARCHED...
56 FILES SEARCHED...
59 FILES SEARCHED...

L1 0 HUMAN GROWTH HORMONE AND HUMAN INSULIN A CHAIN AND HUMAN INSULIN
B CHAIN AND CHAOTROPIC

=> s human growth hormone AND human insulin

11 FILES SEARCHED...
21 FILES SEARCHED...
31 FILES SEARCHED...
43 FILES SEARCHED...
54 FILES SEARCHED...

L2 1990 HUMAN GROWTH HORMONE AND HUMAN INSULIN

=> DUP REM L2

PROCESSING IS APPROXIMATELY 39% COMPLETE FOR L2

PROCESSING IS APPROXIMATELY 97% COMPLETE FOR L2

L3 1554 DUP REM L2 (436 DUPLICATES REMOVED)

=> S L3 AND urea
10 FILES SEARCHED...
33 FILES SEARCHED...
L4 483 L3 AND UREA

=> S L3 AND chaotropic
24 FILES SEARCHED...
L5 194 L3 AND CHAOTROPIC

=> D L5 1-194

L5 ANSWER 1 OF 194 IFIPAT COPYRIGHT 2003 IFI on STN
AN 10221005 IFIPAT;IFIUDB;IFICDB
TI CHIMERIC PROTEIN CONTAINING AN INTRAMOLECULAR CHAPERONE-LIKE SEQUENCE
IN Gan Zhong-Ru (CN)
PA Tonghua GanTech Biotechnology Ltd CN
PI US 2002164712 A1 20021107
AI US 2002-54873 20020122
RLI US 2000-423100 20001211 CONTINUATION PENDING
WO 1998-CN52 19980331 Section 371 PCT Filing UNKNOWN
FI US 2002164712 20021107
DT Utility; Patent Application - First Publication
FS CHEMICAL
APPLICATION
CLMN 77
GI 2 Figure(s).
FIGS. 1A and 1B. Structure of proinsulin and mature insulin with correctly formed disulfide bridges. 1A depicts the structure of proinsulin. 1B depicts the structure of mature insulin with correctly formed disulfide bridges.
FIG. 2. Map of the hGH-mini-proinsulin (SEQ ID NO: 6) expression vector (pZRhi-1).

L5 ANSWER 2 OF 194 PROMT COPYRIGHT 2003 Gale Group on STN

ACCESSION NUMBER: 2001:722056 PROMT
TITLE: Process Purification of Polypeptides and Proteins by Reversed-Phase Column Chromatography Misconceptions and Reality.
AUTHOR(S): Lu, Philip; Carr, C. David; Chadwick, Paul; Li, Michael; Harrison, Kervin
SOURCE: BioPharm, (Sept 2001) Vol. 14, No. 9, pp. 28.
ISSN: 1040-8304.
PUBLISHER: Advanstar Communications, Inc.
DOCUMENT TYPE: Newsletter
LANGUAGE: English
WORD COUNT: 3801
FULL TEXT IS AVAILABLE IN THE ALL FORMAT

L5 ANSWER 3 OF 194 USPATFULL on STN
AN 2003:244853 USPATFULL
TI Albumin fusion proteins
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Sadeghi, Homayoun, Doylestown, PA, UNITED STATES
Prior, Christopher P., Rosemont, PA, UNITED STATES
Turner, Andrew J., Eagleville, PA, UNITED STATES
PI US 2003171267 A1 20030911
AI US 2001-833117 A1 20010412 (9)
PRAI US 2000-256931P 20001221 (60)
US 2000-199384P 20000425 (60)
US 2000-229358P 20000412 (60)
DT Utility
FS APPLICATION
LN.CNT 13208
INCL INCLM: 514/012.000
INCLS: 530/363.000
NCL NCLM: 514/012.000
NCLS: 530/363.000
IC [7]
ICM: A61K038-38
ICS: C07K014-765

L5 ANSWER 4 OF 194 USPATFULL on STN

TI Trefoil domain-containing polynucleotides, polypeptides, and antibodies
 IN Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES
 Ruben, Steven M., Brookeville, MD, UNITED STATES
 PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES (U.S.
 corporation)
 PI US 2003166911 A1 20030904
 AI US 2002-266767 A1 20021009 (10)
 RLI Continuation of Ser. No. US 2001-891171, filed on 26 Jun 2001, ABANDONED
 Continuation-in-part of Ser. No. WO 2000-US34920, filed on 22 Dec 2000,
 PENDING
 PRAI US 1999-171618P 19991223 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 12173
 INCL INCLM: 536/023.500
 INCLS: 530/350.000; 435/006.000; 435/320.100; 435/069.100; 435/325.000;
 514/012.000
 NCL NCLM: 536/023.500
 NCLS: 530/350.000; 435/006.000; 435/320.100; 435/069.100; 435/325.000;
 514/012.000
 IC [7]
 ICM: C12Q001-68
 ICS: A61K038-17; C12P021-02; C12N005-06; C07K014-47; C07H021-04

LS ANSWER 5 OF 194 USPATFULL on STN
 AN 2003:238748 USPATFULL
 TI 50 human secreted proteins
 IN Moore, Paul A., Germantown, MD, UNITED STATES
 Ruben, Steven M., Brookeville, MD, UNITED STATES
 LaFleur, David W., Washington, DC, UNITED STATES
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES
 Rosen, Craig A., Laytonsville, MD, UNITED STATES
 Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
 Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
 Brewer, Laurie A., St. Paul, MN, UNITED STATES
 PA Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)
 PI US 2003166906 A1 20030904
 AI US 2003-411224 A1 20030411 (10)
 RLI Continuation of Ser. No. US 2000-722329, filed on 28 Nov 2000, PENDING
 Continuation of Ser. No. US 1999-262109, filed on 4 Mar 1999, ABANDONED
 Continuation-in-part of Ser. No. WO 1998-US18360, filed on 3 Sep 1998,
 PENDING
 DT Utility
 FS APPLICATION
 LN.CNT 10438
 INCL INCLM: 536/023.200
 INCLS: 530/350.000; 435/069.100; 435/320.100; 435/325.000; 435/183.000
 NCL NCLM: 536/023.200
 NCLS: 530/350.000; 435/069.100; 435/320.100; 435/325.000; 435/183.000
 IC [7]
 ICM: C12P021-02
 ICS: C12N005-06; C07K014-47; C07H021-04; C12N009-00

LS ANSWER 6 OF 194 USPATFULL on STN
 AN 2003:238383 USPATFULL
 TI 83 human secreted proteins
 IN Ruben, Steven M., Olney, MD, UNITED STATES
 Feng, Ping, Germantown, MD, UNITED STATES
 LaFleur, David W., Washington, DC, UNITED STATES
 Moore, Paul A., Germantown, MD, UNITED STATES
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES
 Kyaw, Hla, Frederick, MD, UNITED STATES
 Li, Yi, Sunnyvale, CA, UNITED STATES
 Zeng, Zhizhen, Lansdale, PA, UNITED STATES
 Carter, Kenneth C., North Potomac, MD, UNITED STATES
 Endress, Gregory A., Florence, MA, UNITED STATES
 Wei, Ying-Fei, Berkeley, CA, UNITED STATES
 Fan, Ping, Potomac, MD, UNITED STATES
 Rosen, Craig A., Laytonsville, MD, UNITED STATES
 PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S.
 corporation)
 PI US 2003166541 A1 20030904
 AI US 2002-160162 A1 20020604 (10)

L5 ANSWER 7 OF 194 USPATFULL on STN
AN 2003:237867 USPATFULL
TI Human G-protein chemokine receptor (CCR5) HDGMR10
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Roschke, Viktor, Rockville, MD, UNITED STATES
Li, Yi, Sunnyvale, CA, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PA Human Genome Sciences, Inc. (U.S. corporation)
PI US 2003166024 A1 20030904
AI US 2002-135839 A1 20020501 (10)
RLI Continuation of Ser. No. US 2001-779879, filed on 9 Feb 2001, ABANDONED
PRAI US 2000-181258P 20000209 (60)
US 2000-187999P 20000309 (60)
US 2000-234336P 20000922 (60)
DT Utility
FS APPLICATION
LN.CNT 17941
INCL INCLM: 435/007.230
INCLS: 435/069.100; 435/320.100; 530/388.220; 536/023.530; 435/334.000
NCL NCLM: 435/007.230
NCLS: 435/069.100; 435/320.100; 530/388.220; 536/023.530; 435/334.000
IC [7]
ICM: G01N033-574
ICS: C07H021-04; C12P021-02; C07K016-30; C12N005-06

L5 ANSWER 8 OF 194 USPATFULL on STN
AN 2003:237853 USPATFULL
TI Custom ligand design for biomolecular filtration and purification for
bioseparation
IN Affholter, Joseph A., Coleman, MI, UNITED STATES
PI US 2003166010 A1 20030904
AI US 2003-374817 A1 20030225 (10)
PRAI US 2002-359503P 20020225 (60)
DT Utility
FS APPLICATION

L5 ANSWER 9 OF 194 USPATFULL on STN
AN 2003:232753 USPATFULL
TI Attractin-like polynucleotides, polypeptides, and antibodies
IN Ni, Jian, Germantown, MD, UNITED STATES
Ruben, Steven M., Brookeville, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S.
corporation)
PI US 2003162954 A1 20030828
AI US 2002-193109 A1 20020712 (10)
RLI Continuation of Ser. No. US 2002-84994, filed on 1 Mar 2002, ABANDONED
Continuation of Ser. No. US 2001-790621, filed on 23 Feb 2001, ABANDONED
Continuation-in-part of Ser. No. WO 2000-US23663, filed on 29 Aug 2000,
PENDING
PRAI US 1999-151348P 19990830 (60)
DT Utility
FS APPLICATION

L5 ANSWER 10 OF 194 USPATFULL on STN
AN 2003:231975 USPATFULL
TI NK cell receptor polynucleotides, polypeptides, and antibodies
IN Ruben, Steven M., Olney, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
PI US 2003162175 A1 20030828
AI US 2001-891464 A1 20010627 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US34770, filed on 21 Dec 2000,
UNKNOWN
PRAI US 1999-171506P 19991222 (60)
DT Utility
FS APPLICATION
LN.CNT 12365
INCL INCLM: 435/006.000
INCLS: 435/007.100; 435/069.100; 435/320.100; 435/325.000; 530/350.000;
536/023.500
NCL NCLM: 435/006.000
NCLS: 435/007.100; 435/069.100; 435/320.100; 435/325.000; 530/350.000;
536/023.500

NCLS: 435/007.100; 435/069.100; 435/320.100; 435/325.000; 530/350.000;
536/023.500
IC [7]
ICM: C12Q001-68
ICS: C12P021-02; C12N005-06; C07K014-705; C07H021-04

L5 ANSWER 11 OF 194 USPATFULL on STN
AN 2003:225696 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Ruben, Steven M., Brookeville, MD, UNITED STATES
PI US 2003157508 A1 20030821
AI US 2002-207175 A1 20020730 (10)
RLI Continuation-in-part of Ser. No. WO 2001-US1395, filed on 17 Jan 2001,
PENDING
PRAI US 2000-179065P 20000131 (60)
US 2000-180628P 20000204 (60)
US 2000-186350P 20000302 (60)
DT Utility
FS APPLICATION
LN.CNT 17970
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 536/023.200;
530/350.000
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 536/023.200;
530/350.000
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06; C07K014-435

L5 ANSWER 12 OF 194 USPATFULL on STN
AN 2003:219643 USPATFULL
TI Human secreted proteins
IN Barash, Steven C., Rockville, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
PI US 2003152933 A1 20030814
AI US 2002-72977 A1 20020212 (10)
RLI Continuation-in-part of Ser. No. WO 2001-US25288, filed on 13 Aug 2001,
PENDING
PRAI US 2000-225215P 20000814 (60)
DT Utility
FS APPLICATION
LN.CNT 12684
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000;
536/023.200
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000;
536/023.200
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06; C07K014-435

L5 ANSWER 13 OF 194 USPATFULL on STN
AN 2003:214613 USPATFULL
TI Transferrin polynucleotides, polypeptides, and antibodies
IN Ruben, Steven M., Brookeville, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S.
corporation)
PI US 2003149256 A1 20030807
AI US 2002-266745 A1 20021009 (10)
RLI Continuation of Ser. No. US 2001-891126, filed on 26 Jun 2001, PENDING
Continuation-in-part of Ser. No. WO 2000-US34769, filed on 21 Dec 2000,
PENDING
PRAI US 1999-171595P 19991223 (60)
DT Utility
FS APPLICATION
LN.CNT 12034
INCL INCLM: 536/023.500
INCLS: 435/069.100; 435/320.100; 435/325.000; 530/400.000
NCL NCLM: 536/023.500
NCLS: 435/069.100; 435/320.100; 435/325.000; 530/400.000

IC NCLS: 435/069.100; 435/320.100; 435/325.000; 530/400.000

[7]

ICM: C12P021-02

ICS: C07H021-04; C07K014-79

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 14 OF 194 USPATFULL on STN

AN 2003:214304 USPATFULL

TI Major intrinsic protein (MIP)-like polynucleotides, polypeptides and antibodies

IN Ruben, Steven M., Brookeville, MD, UNITED STATES

Ni, Jian, Germantown, MD, UNITED STATES

PA Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)

PI US 2003148947 A1 20030807

AI US 2002-254939 A1 20020926 (10)

RLI Continuation of Ser. No. US 2001-862419, filed on 23 May 2001, PENDING
Continuation-in-part of Ser. No. WO 2000-US31919, filed on 21 Nov 2000, PENDING

PRAI US 1999-167247P 19991124 (60)

DT Utility

FS APPLICATION

LN.CNT 11742

INCL INCLM: 514/012.000

INCLS: 530/351.000; 435/069.500; 435/320.100; 435/325.000; 536/023.500

NCL NCLM: 514/012.000

NCLS: 530/351.000; 435/069.500; 435/320.100; 435/325.000; 536/023.500

IC [7]

ICM: A61K038-19

ICS: C07H021-04; C12P021-02; C12N005-06; C07K014-52

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 15 OF 194 USPATFULL on STN

AN 2003:213266 USPATFULL

TI ABC transport polynucleotides, polypeptides and antibodies

IN Ruben, Steven M., Brookeville, MD, UNITED STATES

Ni, Jian, Germantown, MD, UNITED STATES

Moore, Paul A., Germantown, MD, UNITED STATES

PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)

PI US 2003147903 A1 20030807

AI US 2002-242568 A1 20020913 (10)

RLI Continuation of Ser. No. US 2001-767870, filed on 24 Jan 2001, PENDING
Continuation-in-part of Ser. No. WO 2000-US19736, filed on 20 Jul 2000, PENDING

PRAI US 1999-145215P 19990723 (60)

US 1999-149445P 19990818 (60)

US 1999-164730P 19991112 (60)

DT Utility

FS APPLICATION

LN.CNT 12220

INCL INCLM: 424/185.100

INCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500

NCL NCLM: 424/185.100

NCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500

IC [7]

ICM: A61K039-00

ICS: C07H021-04; C07K014-435; C12P021-02; C12N005-06

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 16 OF 194 USPATFULL on STN

AN 2003:208131 USPATFULL

TI 101 human secreted proteins

IN Duan, Roxanne, Bethesda, MD, UNITED STATES

Ruben, Steven M., Brookeville, MD, UNITED STATES

Florence, Kimberly A., Rockville, MD, UNITED STATES

Greene, John M., Gaithersburg, MD, UNITED STATES

Rosen, Craig A., Laytonsville, MD, UNITED STATES

Young, Paul, Gaithersbury, MD, UNITED STATES

Ferrie, Ann M., Painted Post, NY, UNITED STATES

Yu, Guo-Liang, Berkeley, CA, UNITED STATES

Janat, Fouad, Westerly, RI, UNITED STATES

Ni, Jian, Germantown, MD, UNITED STATES

Carter, Kenneth C., North Potomac, MD, UNITED STATES

Endress, Gregory A., Florence, MA, UNITED STATES

Feng, Ping, Germantown, MD, UNITED STATES

Shi, Yanggu, Gaithersburg, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)
PI US 2003144492 A1 20030731
AI US 2002-195730 A1 20020716 (10)
RLI Continuation of Ser. No. US 1999-281976, filed on 31 Mar 1999, PENDING
Continuation-in-part of Ser. No. WO 1998-US20775, filed on 1 Oct 1998,
PENDING

FS APPLICATION
LN.CNT 15169
INCL INCLM: 536/023.200
INCLS: 435/006.000; 435/183.000; 435/069.100; 435/320.100; 435/325.000;
530/350.000
NCL NCLM: 536/023.200
NCLS: 435/006.000; 435/183.000; 435/069.100; 435/320.100; 435/325.000;
530/350.000
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 17 OF 194 USPATFULL on STN
AN 2003:206834 USPATFULL
TI Chemokine beta-1 fusion proteins
IN Bell, Adam, Germantown, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2003143191 A1 20030731
AI US 2002-153604 A1 20020524 (10)
PRAI US 2001-293212P 20010525 (60)
DT Utility
FS APPLICATION
LN.CNT 15446
INCL INCLM: 424/085.100
INCLS: 530/351.000; 536/023.500; 435/069.500; 435/320.100; 435/325.000
NCL NCLM: 424/085.100
NCLS: 530/351.000; 536/023.500; 435/069.500; 435/320.100; 435/325.000
IC [7]
ICM: A61K038-19
ICS: C07K014-52; C07H021-04; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 18 OF 194 USPATFULL on STN
AN 2003:187895 USPATFULL
TI 12 human secreted proteins
IN Ni, Jian, Germantown, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Kenny, Joseph J., Damascus, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Wei, Ying-Fei, Berkeley, CA, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2003129685 A1 20030710
AI US 2001-836353 A1 20010418 (9)
RLI Continuation-in-part of Ser. No. WO 1999-US25031, filed on 27 Oct 1999,
UNKNOWN
PRAI US 1998-105971P 19981028 (60)
US 2000-198407P 20000419 (60)
DT Utility
FS APPLICATION
LN.CNT 31945
INCL INCLM: 435/069.100
INCLS: 435/183.000; 435/455.000; 435/325.000; 435/320.100; 536/023.200;
530/388.100
NCL NCLM: 435/069.100
NCLS: 435/183.000; 435/455.000; 435/325.000; 435/320.100; 536/023.200;
530/388.100
IC [7]
ICM: C12P021-02
ICS: C12N005-06; C07H021-04; C12N009-00; C07K014-435; C07K016-40
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 19 OF 194 USPATFULL on STN
AN 2003:181414 USPATFULL
TI Albumin fusion proteins
IN

Haseltine, William A., Washington, DC, UNITED STATES

DT Utility
FS APPLICATION
LN.CNT 15235
INCL INCLM: 514/012.000
INCLS: 530/363.000
NCL NCLM: 514/012.000
NCLS: 530/363.000
IC [7]
ICM: A61K038-38
ICS: C07K014-765

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 20 OF 194 USPATFULL on STN
AN 2003:173232 USPATFULL
TI B7-like polynucleotides, polypeptides, and antibodies
IN Ruben, Steven M., Olney, MD, UNITED STATES
Chen, Lieping, Rochester, MN, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)
PI US 2003119076 A1 20030626
AI US 2002-141953 A1 20020510 (10)
RLI Continuation of Ser. No. US 2001-790622, filed on 23 Feb 2001, PENDING
Continuation-in-part of Ser. No. WO 2000-US23792, filed on 30 Aug 2000, PENDING
PRAI US 1999-152317P 19990903 (60)
US 2000-200346P 20000428 (60)

DT Utility
FS APPLICATION
LN.CNT 12418
INCL INCLM: 435/007.210
INCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500
NCL NCLM: 435/007.210
NCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500
IC [7]
ICM: G01N033-567
ICS: C07H021-04; C07K014-705; C12P021-02; C12N005-06

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 21 OF 194 USPATFULL on STN
AN 2003:165984 USPATFULL
TI 25 human secreted proteins
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
Florence, Kimberly A., Rockville, MD, UNITED STATES
Fiscella, Michele, Bethesda, MD, UNITED STATES
Wei, Ping, Brookeville, MD, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Birse, Charles E., North Potomac, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Komatsoulis, George A., Silver Spring, MD, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)
PI US 2003113840 A1 20030619
AI US 2002-60255 A1 20020201 (10)
RLI Continuation of Ser. No. US 2001-781417, filed on 13 Feb 2001, ABANDONED
Continuation-in-part of Ser. No. WO 2000-US22325, filed on 16 Aug 2000, PENDING
PRAI US 1999-149182P 19990817 (60)

DT Utility
FS APPLICATION
LN.CNT 20339
INCL INCLM: 435/069.100
INCLS: 435/183.000; 435/320.100; 435/325.000; 530/350.000; 536/023.200
NCL NCLM: 435/069.100
NCLS: 435/183.000; 435/320.100; 435/325.000; 530/350.000; 536/023.200
IC [7]
ICM: C12N009-00
ICS: C07H021-04; C12P021-02; C12N005-06; C07K014-435

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 22 OF 194 USPATFULL on STN
 AN 2003:160075 USPATFULL
 TI Colon and colon cancer associated polynucleotides and polypeptides
 IN Ruben, Steven M., Olney, MD, UNITED STATES
 Barash, Steve C., Rockville, MD, UNITED STATES
 Birse, Charles E., North Potomac, MD, UNITED STATES
 Rosen, Craig A., Laytonsville, MD, UNITED STATES
 PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)
 PI US 2003109690 A1 20030612
 AI US 2002-106698 A1 20020327 (10)
 RLI Continuation-in-part of Ser. No. WO 2000-US26524, filed on 28 Sep 2000, PENDING
 PRAI US 1999-157137P 19990929 (60)
 US 1999-163280P 19991103 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 17981
 INCL INCLM: 536/023.100
 NCL NCLM: 536/023.100
 IC [7]
 ICM: C07H021-02
 ICS: C07H021-04
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 23 OF 194 USPATFULL on STN
 AN 2003:159294 USPATFULL
 TI Nucleic acids, proteins, and antibodies
 IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES
 Barash, Steven C., Rockville, MD, UNITED STATES
 PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)
 PI US 2003108907 A1 20030612
 AI US 2002-205428 A1 20020726 (10)
 RLI Continuation of Ser. No. US 2001-764892, filed on 17 Jan 2001, PENDING
 DT Utility
 FS APPLICATION
 LN.CNT 25967
 INCL INCLM: 435/006.000
 INCLS: 435/007.230; 435/069.300; 435/183.000; 435/320.100; 435/325.000;
 536/023.200
 NCL NCLM: 435/006.000
 NCLS: 435/007.230; 435/069.300; 435/183.000; 435/320.100; 435/325.000;
 536/023.200
 IC [7]
 ICM: C12Q001-68
 ICS: G01N033-574; C07H021-04; C12N009-00; C12P021-02; C12N005-06
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 24 OF 194 USPATFULL on STN
 AN 2003:153629 USPATFULL
 TI Secreted protein HEMCM42
 IN Ruben, Steven M., Olney, MD, UNITED STATES
 Rosen, Craig A., Laytonsville, MD, UNITED STATES
 Carter, Kenneth C., North Potomac, MD, UNITED STATES
 Dillon, Patrick J., Carlsbad, CA, UNITED STATES
 Endress, Gregory A., Florence, MA, UNITED STATES
 Yu, Guo-Liang, Berkeley, CA, UNITED STATES
 Ni, Jian, Germantown, MD, UNITED STATES
 Feng, Ping, Gaithersburg, MD, UNITED STATES
 PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)
 PI US 2003105297 A1 20030605
 AI US 2002-62831 A1 20020205 (10)
 RLI Division of Ser. No. US 2000-690454, filed on 18 Oct 2000, PENDING
 Continuation of Ser. No. US 1998-189144, filed on 10 Nov 1998, ABANDONED
 Continuation-in-part of Ser. No. WO 1998-US10868, filed on 28 May 1998, UNKNOWN
 DT Utility
 FS APPLICATION
 LN.CNT 9397
 INCL INCLM: 530/388.260
 NCL NCLM: 530/388.260
 IC [7]

ICM: C07K016-40
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 25 OF 194 USPATFULL on STN
AN 2003:152734 USPATFULL
TI 27 human secreted proteins
IN Ruben, Steven M., Olney, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Birse, Charles E., North Potomac, MD, UNITED STATES
Florence, Kimberly A., Rockville, MD, UNITED STATES
Komatsoulis, George, Silver Spring, MD, UNITED STATES
LaFleur, David W., Washington, DC, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Olson, Henrik S., Gaithersburg, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)
PI US 2003104400 A1 20030605
AI US 2002-50882 A1 20020118 (10)
RLI Continuation of Ser. No. US 2000-661453, filed on 13 Sep 2000, PENDING
Continuation-in-part of Ser. No. WO 2000-US6783, filed on 16 Mar 2000, UNKNOWN
PRAI US 1999-125055P 19990318 (60)
DT Utility
FS APPLICATION
LN.CNT 20145
INCL INCLM: 435/006.000
INCLS: 435/007.100; 435/069.100; 435/320.100; 435/325.000; 536/023.200; 435/183.000
NCL NCLM: 435/006.000
NCLS: 435/007.100; 435/069.100; 435/320.100; 435/325.000; 536/023.200; 435/183.000
IC [7]
ICM: C12Q001-68
ICS: G01N033-53; C07H021-04; C12P021-02; C12N005-06; C12N009-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 26 OF 194 USPATFULL on STN
AN 2003:146312 USPATFULL
TI Human G-protein Chemokine Receptor (CCR5) HDGMR10
IN Roschke, Viktor, Rockville, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PA Human Genome Sciences, Inc. (U.S. corporation)
PI US 2003100058 A1 20030529
AI US 2002-67800 A1 20020208 (10)
RLI Continuation-in-part of Ser. No. WO 2001-US4153, filed on 9 Feb 2001, UNKNOWN
Continuation-in-part of Ser. No. US 2001-779880, filed on 9 Feb 2001, PENDING
PRAI US 2001-297257P 20010612 (60)
US 2001-310458P 20010808 (60)
US 2001-328447P 20011012 (60)
US 2001-341725P 20011221 (60)
DT Utility
FS APPLICATION
LN.CNT 18955
INCL INCLM: 435/069.100
INCLS: 435/326.000; 435/320.100; 530/388.800; 536/023.530
NCL NCLM: 435/069.100
NCLS: 435/326.000; 435/320.100; 530/388.800; 536/023.530
IC [7]
ICM: C12P021-02
ICS: C07H021-04; C12N005-06; C07K016-30
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 27 OF 194 USPATFULL on STN
AN 2003:146305 USPATFULL
TI 97 human secreted proteins
IN Ruben, Steven M., Olney, MD, UNITED STATES
Florence, Kimberly A., Rockville, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES

Moore, Paul A., Germantown, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Wei, Ying-Fei, Berkeley, CA, UNITED STATES
Brewer, Laurie A., St. Paul, MN, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
LaFleur, David W., Washington, DC, UNITED STATES
Endress, Gregory A., Florence, MA, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Birse, Charles E., North Potomac, MD, UNITED STATES

PI US 2003100051 A1 20030529
AI US 2001-948783 A1 20010910 (9)
RLI Continuation-in-part of Ser. No. US 2001-892877, filed on 28 Jun 2001,
PENDING Continuation of Ser. No. US 1999-437658, filed on 10 Nov 1999,
ABANDONED Continuation-in-part of Ser. No. WO 1999-US9847, filed on 6
May 1999, UNKNOWN

DT Utility
FS APPLICATION
LN.CNT 32767
INCL INCLM: 435/069.100
INCLS: 435/183.000; 435/320.100; 435/325.000; 530/350.000; 536/023.200
NCL NCLM: 435/069.100
NCLS: 435/183.000; 435/320.100; 435/325.000; 530/350.000; 536/023.200
IC [7]
ICM: C12P021-02
ICS: C12N005-06; C07H021-04; C12N009-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 28 OF 194 USPATFULL on STN
AN 2003:143132 USPATFULL
TI Protein HLQDR48
IN LaFleur, David W., Washington, DC, United States
Ruben, Steven M., Olney, MD, United States
Rosen, Craig A., Laytonsville, MD, United States
Moore, Paul A., Germantown, MD, United States
Shi, Yanggu, Gaithersburg, MD, United States
Kyaw, Hla, Frederick, MD, United States
Wei, Ying-Fei, Berkeley, CA, United States
PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S.
corporation)
PI US 6569992 B1 20030527
AI US 1999-369247 19990805 (9)
RLI Continuation-in-part of Ser. No. WO 1999-US2293, filed on 4 Feb 1999

DT Utility
FS GRANTED
LN.CNT 10360
INCL INCLM: 530/300.000
INCLS: 435/006.000; 435/091.100; 435/091.200; 530/350.000; 536/023.100
NCL NCLM: 530/300.000
NCLS: 435/006.000; 435/091.100; 435/091.200; 530/350.000; 536/023.100
IC [7]
ICM: A61K038-00
ICS: C12Q001-68; C12P019-34; C07K001-00; C07H021-02
EXF 435/6; 435/91.1; 435/91.2; 530/350; 530/300; 536/23.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 29 OF 194 USPATFULL on STN
AN 2003:141140 USPATFULL
TI 44 human secreted proteins
IN LaFleur, David W., Washington, DC, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Kyaw, Hla, Frederick, MD, UNITED STATES
Wei, Ying-Fei, Berkeley, CA, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)
PI US 2003096982 A1 20030522
AI US 2002-62548 A1 20020205 (10)
RLI Continuation of Ser. No. US 1999-369247, filed on 5 Aug 1999, PENDING
Continuation-in-part of Ser. No. WO 1999-US2293, filed on 4 Feb 1999,
UNKNOWN

FS APPLICATION
LN.CNT 10709
INCL INCLM: 536/023.200
INCLS: 530/350.000; 435/069.100; 435/320.100; 435/325.000; 435/183.000
NCL NCLM: 536/023.200
NCLS: 530/350.000; 435/069.100; 435/320.100; 435/325.000; 435/183.000
IC [7]
ICM: C12P021-02
ICS: C07H021-04; C12N009-00; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 30 OF 194 USPATFULL on STN
AN 2003:140505 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)
PI US 2003096346 A1 20030522
AI US 2002-73885 A1 20020214 (10)
RLI Continuation of Ser. No. US 2001-764852, filed on 17 Jan 2001, ABANDONED

DT Utility
FS APPLICATION
LN.CNT 20722
INCL INCLM: 435/069.100
INCLS: 435/183.000; 435/320.100; 435/325.000; 536/023.200
NCL NCLM: 435/069.100
NCLS: 435/183.000; 435/320.100; 435/325.000; 536/023.200
IC [7]
ICM: C12P021-02
ICS: C12N005-06; C07H021-04; C12N009-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 31 OF 194 USPATFULL on STN
AN 2003:134804 USPATFULL
TI Secreted protein HEMAE80
IN Young, Paul, Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Painted Post, NY, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Hu, Jing-Shan, Mountain View, CA, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Brewer, Laurie A., St. Paul, MN, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Florence, Charles, Rockville, MD, UNITED STATES
Florence, Kimberly, Rockville, MD, UNITED STATES
Lafleur, David W., Washington, DC, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
Fan, Ping, Potomac, MD, UNITED STATES
Wei, Ying-Fei, Berkeley, CA, UNITED STATES
Fischer, Carrie L., Burke, VA, UNITED STATES
Soppet, Daniel R., Centerville, VA, UNITED STATES
Li, Yi, Sunnyvale, CA, UNITED STATES
Zeng, Zhizhen, Lansdale, PA, UNITED STATES
Kyaw, Hla, Frederick, MD, UNITED STATES
Yu, Guo-Liang, Berkeley, CA, UNITED STATES
Feng, Ping, Gaithersburg, MD, UNITED STATES
Dillon, Patrick J., Carlsbad, CA, UNITED STATES
Endress, Gregory A., Florence, MA, UNITED STATES
Carter, Kenneth C., North Potomac, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)
PI US 2003092893 A1 20030515
AI US 2001-23282 A1 20011220 (10)
RLI Division of Ser. No. US 1998-205258, filed on 4 Dec 1998, PENDING
Continuation-in-part of Ser. No. WO 1998-US11422, filed on 4 Jun 1998, PENDING

DT Utility
FS APPLICATION
LN.CNT 17001

INCL INCLM: 530/388.100
NCL NCLM: 530/388.100
IC [7]
ICM: C07K016-00

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 32 OF 194 USPATFULL on STN
AN 2003:134527 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES (U.S.
corporation)
PI US 2003092615 A1 20030515
AI US 2002-115928 A1 20020405 (10)
RLI Continuation of Ser. No. US 2001-764861, filed on 17 Jan 2001, PENDING

DT Utility
FS APPLICATION
LN.CNT 21689
INCL INCLM: 514/012.000
INCLS: 435/006.000; 435/069.100; 435/183.000; 435/320.100; 435/325.000;
536/023.200
NCL NCLM: 514/012.000
NCLS: 435/006.000; 435/069.100; 435/183.000; 435/320.100; 435/325.000;
536/023.200
IC [7]
ICM: A61K038-17
ICS: C12Q001-68; C07H021-04; C12N009-00; C12P021-02; C12N005-06

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 33 OF 194 USPATFULL on STN
AN 2003:134017 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES (U.S.
corporation)
PI US 2003092102 A1 20030515
AI US 2002-74045 A1 20020214 (10)
RLI Continuation of Ser. No. US 2001-764866, filed on 17 Jan 2001, ABANDONED

DT Utility
FS APPLICATION
LN.CNT 23217
INCL INCLM: 435/069.100
INCLS: 435/183.000; 435/320.100; 435/325.000; 536/023.200
NCL NCLM: 435/069.100
NCLS: 435/183.000; 435/320.100; 435/325.000; 536/023.200
IC [7]
ICM: C12P021-02
ICS: C12N005-06; C07H021-04; C12N009-00

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 34 OF 194 USPATFULL on STN
AN 2003:127863 USPATFULL
TI 125 HUMAN SECRETED PROTEINS
IN RUBEN, STEVEN M., OLNEY, MD, UNITED STATES
ROSEN, CRAIG A., LAYTONSVILLE, MD, UNITED STATES
SHI, YANGGU, GAITHERSBURG, MD, UNITED STATES
PI US 2003088078 A1 20030508
AI US 1999-305736 A1 19990505 (9)
RLI A 371 of International Ser. No. WO 1998-US23435, filed on 4 Nov 1998,

DT Utility
FS APPLICATION
LN.CNT 22048
INCL INCLM: 536/023.100
INCLS: 530/350.000; 435/006.000; 435/007.100; 530/387.100
NCL NCLM: 536/023.100
NCLS: 530/350.000; 435/006.000; 435/007.100; 530/387.100
IC [7]
ICM: C07H021-00
ICS: C07K001-00; C12C001-00; C01N022-00; C07C016-00

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

LS ANSWER 35 OF 194 USPATFULL on STN
AN 2003:127128 USPATFULL
TI 49 human secreted proteins
IN Moore, Paul A., Germantown, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Florence, Kimberly A., Rockville, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
LaFleur, David W., Washington, DC, UNITED STATES
Endress, Gregory A., Potomac, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Komatsoulis, George, Silver Spring, MD, UNITED STATES
Duan, Roxanne D., Bethesda, MD, UNITED STATES
PI US 2003087341 A1 20030508
AI US 2002-54988 A1 20020125 (10)
RLI Continuation of Ser. No. US 2001-904615, filed on 16 Jul 2001, PENDING
Continuation of Ser. No. US 2000-739254, filed on 19 Dec 2000, ABANDONED
Continuation of Ser. No. US 2000-511554, filed on 23 Feb 2000, ABANDONED
Continuation-in-part of Ser. No. WO 1999-US19330, filed on 24 Aug 1999,
UNKNOWN
PRAI US 1998-97917P 19980825 (60)
US 1998-98634P 19980831 (60)
DT Utility
FS APPLICATION
LN.CNT 19398
INCL INCLM: 435/069.100
INCLS: 435/320.100; 435/325.000; 435/183.000; 530/350.000; 536/023.200;
435/006.000
NCL NCLM: 435/069.100
NCLS: 435/320.100; 435/325.000; 435/183.000; 530/350.000; 536/023.200;
435/006.000
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

LS ANSWER 36 OF 194 USPATFULL on STN
AN 2003:120997 USPATFULL
TI 25 human prostate and prostate cancer associated proteins
IN Birse, Charles E., North Potomac, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S.
corporation)
PI US 2003083481 A1 20030501
AI US 2002-36542 A1 20020107 (10)
RLI Continuation-in-part of Ser. No. WO 2000-US19666, filed on 20 Jul 2000,
UNKNOWN
DT Utility
FS APPLICATION
LN.CNT 26241
INCL INCLM: 536/023.100
NCL NCLM: 536/023.100
IC [7]
ICM: C07H021-02
ICS: C07H021-04

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

LS ANSWER 37 OF 194 USPATFULL on STN
AN 2003:120277 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)
PI US 2003082758 A1 20030501
AI US 2002-103313 A1 20020322 (10)
RLI Continuation of Ser. No. US 2001-764854, filed on 17 Jan 2001, ABANDONED

DT Utility
FS APPLICATION
LN.CNT 26267

INCL INCLM: 435/183.000
INCLS: 435/006.000; 435/069.100; 435/320.100; 435/325.000; 536/023.200
NCL NCLM: 435/183.000
NCLS: 435/006.000; 435/069.100; 435/320.100; 435/325.000; 536/023.200
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 38 OF 194 USPATFULL on STN
AN 2003:120200 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, 20850 (U.S. corporation)
PI US 2003082681 A1 20030501
AI US 2002-91391 A1 20020307 (10)
RLI Continuation of Ser. No. US 2001-764903, filed on 17 Jan 2001, PENDING

DT Utility
FS APPLICATION
LN.CNT 21414
INCL INCLM: 435/069.100
INCLS: 435/183.000; 435/320.100; 435/325.000; 536/023.200
NCL NCLM: 435/069.100
NCLS: 435/183.000; 435/320.100; 435/325.000; 536/023.200
IC [7]
ICM: C07H021-04
ICS: C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 39 OF 194 USPATFULL on STN
AN 2003:113664 USPATFULL
TI 47 human secreted proteins
IN Ruben, Steven M., Olney, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Endress, Gregory A., Silver Spring, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Ni, Jian, Rockville, MD, UNITED STATES
Duan, Roxanne D., Bethesda, MD, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
LaFleur, David W., Washington, DC, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Florence, Kimberly A., Rockville, MD, UNITED STATES
PI US 2003078405 A1 20030424
AI US 2001-895298 A1 20010702 (9)
RLI Continuation of Ser. No. US 2000-591316, filed on 9 Jun 2000, PENDING
Continuation-in-part of Ser. No. WO 1999-US29950, filed on 16 Dec 1999,
UNKNOWN
PRAI US 1998-113006P 19981218 (60)
US 1998-112809P 19981217 (60)

DT Utility
FS APPLICATION
LN.CNT 18444
INCL INCLM: 536/023.500
INCLS: 435/069.100; 435/325.000; 435/320.100; 530/350.000
NCL NCLM: 536/023.500
NCLS: 435/069.100; 435/325.000; 435/320.100; 530/350.000
IC [7]
ICM: C07H021-04
ICS: C07K014-435; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 40 OF 194 USPATFULL on STN
AN 2003:113645 USPATFULL
TI Secreted protein HPEAD48
IN Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)
PI US 2003078386 A1 20030424
AI US 2002-150111 A1 20020520 (10)
RLI Continuation of Ser. No. US 2000-591316, filed on 9 Jun 2000, PENDING
Continuation-in-part of Ser. No. WO 1999-US29950, filed on 16 Dec 1999,
UNKNOWN

DT Utility
FS APPLICATION
LN.CNT 9984
INCL INCLM: 530/388.100
INCLS: 530/388.260
NCL NCLM: 530/388.100
NCLS: 530/388.260
IC [7]
ICM: C07K016-40

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 41 OF 194 USPATFULL on STN
AN 2003:113076 USPATFULL
TI 97 human secreted proteins
IN Ruben, Steven M., Olney, MD, UNITED STATES
Florence, Kimberly, Rockville, MD, UNITED STATES
Ni, Jian, Rockville, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Carter, Kenneth C., North Potomac, MD, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Olsen, Henrik, Gaithersburg, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Young, Paul, Gaithersburg, MD, UNITED STATES
Wei, Ying-Fei, Berkeley, CA, UNITED STATES
Brewer, Laurie A., St. Paul, MN, UNITED STATES
Soppet, Daniel R., Centreville, CA, UNITED STATES
LaFleur, David W., Washington, DC, UNITED STATES
Endress, Gregory A., Potomac, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
PI US 2003077809 A1 20030424
AI US 2001-892877 A1 20010628 (9)
RLI Continuation of Ser. No. US 1999-437658, filed on 10 Nov 1999, ABANDONED
Continuation-in-part of Ser. No. WO 1999-US9847, filed on 6 May 1999,
UNKNOWN

DT Utility
FS APPLICATION
LN.CNT 25009
INCL INCLM: 435/226.000
INCLS: 435/069.100; 435/320.100; 435/325.000; 536/023.200; 435/006.000
NCL NCLM: 435/226.000
NCLS: 435/069.100; 435/320.100; 435/325.000; 536/023.200; 435/006.000
IC [7]
ICM: C12N009-64
ICS: C12Q001-68; C07H021-04; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 42 OF 194 USPATFULL on STN
AN 2003:112971 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, 20850 (U.S. corporation)
PI US 2003077704 A1 20030424
AI US 2002-74095 A1 20020214 (10)
RLI Continuation of Ser. No. US 2001-764860, filed on 17 Jan 2001, ABANDONED

DT Utility
FS APPLICATION
LN.CNT 21987
INCL INCLM: 435/069.100
INCLS: 435/183.000; 435/320.100; 435/325.000; 536/023.200
NCL NCLM: 435/069.100
NCLS: 435/183.000; 435/320.100; 435/325.000; 536/023.200
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 43 OF 194 USPATFULL on STN
AN 2003:112970 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Steven M., Olney, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES (U.S.
corporation)
PI US 2003077703 A1 20030424
AI US 2002-73912 A1 20020214 (10)
RLI Continuation of Ser. No. US 2001-764862, filed on 17 Jan 2001, PENDING

DT Utility
FS APPLICATION
LN.CNT 17803
INCL INCLM: 435/069.100
INCLS: 435/183.000; 435/320.100; 435/325.000; 536/023.200
NCL NCLM: 435/069.100
NCLS: 435/183.000; 435/320.100; 435/325.000; 536/023.200
IC [7]
ICM: C12P021-02
ICS: C12N005-06; C07H021-04; C12N009-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 44 OF 194 USPATFULL on STN
AN 2003:112874 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)
PI US 2003077606 A1 20030424
AI US 2002-91438 A1 20020307 (10)
RLI Continuation of Ser. No. US 2001-764879, filed on 17 Jan 2001, ABANDONED

DT Utility
FS APPLICATION
LN.CNT 21886
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/183.000; 435/325.000; 435/320.100; 536/023.200
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/183.000; 435/325.000; 435/320.100; 536/023.200
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 45 OF 194 USPATFULL on STN
AN 2003:112870 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)
PI US 2003077602 A1 20030424
AI US 2002-73961 A1 20020214 (10)
RLI Continuation of Ser. No. US 2001-764887, filed on 17 Jan 2001, ABANDONED

DT Utility
FS APPLICATION
LN.CNT 19799
INCL INCLM: 435/006.000
INCLS: 435/007.230; 435/069.100; 435/183.000; 435/320.100; 435/325.000;
536/023.200
NCL NCLM: 435/006.000
NCLS: 435/007.230; 435/069.100; 435/183.000; 435/320.100; 435/325.000;
536/023.200
IC [7]
ICM: C12Q001-68
ICS: G01N033-574; C07H021-04; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 46 OF 194 USPATFULL on STN
AN 2003:100295 USPATFULL
TI 87 human secreted proteins
IN Young, Paul, Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Painted Post, NY, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES

Duan, Roxanne, Gaithersburg, MD, UNITED STATES
Hu, Jing-Shan, Mountain View, CA, UNITED STATES
Florence, Kimberly, Rockville, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Brewer, Laurie A., St. Paul, MN, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Lafleur, David W., Washington, DC, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES

PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)

PI US 2003069406 A1 20030410

AI US 2002-143090 A1 20020513 (10)

RLI Continuation of Ser. No. US 1998-154707, filed on 17 sep 1998, PENDING
Continuation-in-part of Ser. No. WO 1998-US5311, filed on 19 Mar 1998, UNKNOWN

FS APPLICATION

LN.CNT 15137

INCL INCLM: 536/023.200

INCLS: 435/006.000; 435/183.000; 435/069.100; 435/325.000; 435/320.100;
530/350.000

NCL NCLM: 536/023.200

NCLS: 435/006.000; 435/183.000; 435/069.100; 435/325.000; 435/320.100;
530/350.000

IC [7]

ICM: C12Q001-68

ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 47 OF 194 USPATFULL on STN

AN 2003:100294 USPATFULL

TI 70 human secreted proteins

IN Ruben, Steven M., Olney, MD, UNITED STATES

Young, Paul E., Gaithersburg, MD, UNITED STATES

Brewer, Laurie A., St. Paul, MN, UNITED STATES

Ebner, Reinhard, Gaithersburg, MD, UNITED STATES

Olsen, Henrik S., Gaithersburg, MD, UNITED STATES

Florence, Kimberly A., Rockville, MD, UNITED STATES

Rosen, Craig A., Laytonsville, MD, UNITED STATES

Duan, Roxanne D., Bethesda, MD, UNITED STATES

Moore, Paul A., Germantown, MD, UNITED STATES

Shi, Yanggu, Gaithersburg, MD, UNITED STATES

LaFleur, David W., Washington, DC, UNITED STATES

Florence, Charles, Rockville, MD, UNITED STATES

Soppet, Daniel R., Centreville, VA, UNITED STATES

Endress, Gregory A., Florence, MA, UNITED STATES

Feng, Ping, Germantown, MD, UNITED STATES

Komatsoulis, George A., Silver Spring, MD, UNITED STATES

PA Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)

PI US 2003069405 A1 20030410

AI US 2002-144929 A1 20020515 (10)

RLI Continuation of Ser. No. US 2000-716128, filed on 17 Nov 2000, PENDING

Continuation of Ser. No. US 1999-251329, filed on 17 Feb 1999, ABANDONED

Continuation-in-part of Ser. No. WO 1998-US17044, filed on 18 Aug 1998, UNKNOWN

DT Utility

FS APPLICATION

LN.CNT 12259

INCL INCLM: 536/023.100

INCLS: 435/069.100; 435/183.000; 530/350.000; 435/320.100; 435/325.000

NCL NCLM: 536/023.100

NCLS: 435/069.100; 435/183.000; 530/350.000; 435/320.100; 435/325.000

IC [7]

ICM: C07H021-04

ICS: C12N009-00; C12P021-02; C07K014-435; C12N005-06

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 48 OF 194 USPATFULL on STN

AN 2003:99522 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)
PI US 2003068627 A1 20030410
AI US 2002-91458 A1 20020307 (10)
RLI Continuation of Ser. No. US 2001-764900, filed on 17 Jan 2001, ABANDONED

DT Utility
FS APPLICATION
LN.CNT 20034
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 536/023.200
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 536/023.200
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 49 OF 194 USPATFULL on STN
AN 2003:93799 USPATFULL
TI Secreted protein HEMA80
IN Young, Paul, Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Painted Post, NY, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Hu, Jing-Shan, Mountain View, CA, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Brewer, Laurie A., St. Paul, MN, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Florence, Charles, Rockville, MD, UNITED STATES
Florence, Kimberly, Rockville, MD, UNITED STATES
Lafleur, David W., Washington, DC, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
Fan, Ping, Potomac, MD, UNITED STATES
Wei, Ying-Fei, Berkeley, CA, UNITED STATES
Fischer, Carrie L., Burke, VA, UNITED STATES
Soppet, Daniel R., Centerville, VA, UNITED STATES
Li, Yi, Sunnyvale, CA, UNITED STATES
Zeng, Zhizhen, Lansdale, PA, UNITED STATES
Kyaw, Hla, Frederick, MD, UNITED STATES
Yu, Guo-Liang, Berkeley, CA, UNITED STATES
Feng, Ping, Gaithersburg, MD, UNITED STATES
Dillon, Patrick J., Carlsbad, CA, UNITED STATES
Endress, Gregory A., Florence, MA, UNITED STATES
Carter, Kenneth C., North Potomac, MD, UNITED STATES

PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)
PI US 2003065160 A1 20030403
AI US 2001-4860 A1 20011207 (10)
RLI Division of Ser. No. US 1998-205258, filed on 4 Dec 1998, PENDING
Continuation-in-part of Ser. No. WO 1998-US11422, filed on 4 Jun 1998, PENDING

DT Utility
FS APPLICATION
LN.CNT 17645
INCL INCLM: 536/023.200
INCLS: 435/183.000; 435/069.100; 435/325.000; 435/320.100; 424/094.100
NCL NCLM: 536/023.200
NCLS: 435/183.000; 435/069.100; 435/325.000; 435/320.100; 424/094.100
IC [7]
ICM: C12N009-00
ICS: C07H021-04; C12P021-02; C12N005-06; A61K038-43
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 50 OF 194 USPATFULL on STN
AN 2003:93790 USPATFULL
TI Secreted protein HCEJQ69
IN Ruben, Steven M., Olney, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Wei, Ying-Fei, Berkeley, CA, UNITED STATES

Florence, Kimberly, Rockville, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Brewer, Laurie A., St. Paul, MN, UNITED STATES
Endress, Gregory A., Florence, MA, UNITED STATES
Carter, Kenneth C., North Potomac, MD, UNITED STATES
Mucenski, Michael, Cincinnati, OH, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
LaFleur, David W., Washington, DC, UNITED STATES
Olsen, Henrik, Gaithersburg, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Komatsoulis, George, Silver Spring, MD, UNITED STATES

PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)
PI US 2003065151 A1 20030403
AI US 2002-115123 A1 20020404 (10)
RLI Division of Ser. No. US 1999-461325, filed on 14 Dec 1999, PENDING
Continuation-in-part of Ser. No. WO 1999-US13418, filed on 15 Jun 1999, UNKNOWN

DT Utility
FS APPLICATION
LN.CNT 18779
INCL INCLM: 530/388.260
NCL NCLM: 530/388.260
IC [7]
ICM: C07K016-40

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 51 OF 194 USPATFULL on STN
AN 2003:93778 USPATFULL
TI SECRETED PROTEIN HMMBD35
IN ROSEN, CRAIG A., LAYTONSVILLE, MD, UNITED STATES
WEI, YING-FEI, BERKELEY, CA, UNITED STATES
PI US 2003065139 A1 20030403
AI US 1999-397945 A1 19990917 (9)
RLI Continuation of Ser. No. WO 1999-US5804, filed on 18 Mar 1999, UNKNOWN

DT Utility
FS APPLICATION
LN.CNT 25027
INCL INCLM: 530/350.000
INCLS: 435/069.100; 530/300.000
NCL NCLM: 530/350.000
NCLS: 435/069.100; 530/300.000
IC [7]
ICM: C07K001-00
ICS: A61K038-00; C12P021-06

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 52 OF 194 USPATFULL on STN
AN 2003:93053 USPATFULL
TI 123 human secreted proteins
IN Fischer, Carrie L., Burke, VA, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Kyaw, Hla, Frederick, MD, UNITED STATES
Li, Yi, Sunnyvale, CA, UNITED STATES
Zeng, Zhizhen, Lansdale, PA, UNITED STATES
LaFleur, David W., Washington, DC, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Brewer, Laurie A., St. Paul, MN, UNITED STATES

PI US 2003064412 A1 20030403
AI US 2001-984490 A1 20011030 (9)
RLI Division of Ser. No. US 1999-227357, filed on 8 Jan 1999, PATENTED
Continuation-in-part of Ser. No. WO 1998-US13684, filed on 7 Jul 1998, UNKNOWN

DT Utility
FS APPLICATION
LN.CNT 20255
INCL INCLM: 435/003.000

INCLS: 530/391.100; 530/388.150
NCL NCLM: 435/007.900
NCLS: 530/391.100; 530/388.150
IC [7]
ICM: G01N033-53
ICS: G01N033-542; C07K016-46
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 53 OF 194 USPATFULL on STN
AN 2003:87011 USPATFULL
TI Secreted protein HFEAF41
IN Young, Paul, Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Tewksbury, MA, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Duan, Roxanne, Bethesda, MD, UNITED STATES
Hu, Jing-Shan, Sunnyvale, CA, UNITED STATES
Florence, Kimberly, Rockville, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Brewer, Laurie A., St. Paul, MN, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Lafleur, David W., Washington, DC, UNITED STATES
Ni, Jian, Rockville, MD, UNITED STATES
PI US 2003060619 A1 20030327
AI US 2001-983966 A1 20011026 (9)
RLI Division of Ser. No. US 1998-154707, filed on 17 Sep 1998, PENDING
Continuation-in-part of Ser. No. WO 1998-US5311, filed on 19 Mar 1998,
UNKNOWN

DT Utility
FS APPLICATION
LN.CNT 15264
INCL INCLM: 536/023.530
INCLS: 530/388.150; 530/391.100
NCL NCLM: 536/023.530
NCLS: 530/388.150; 530/391.100
IC [7]
ICM: C07H021-04
ICS: C07K016-46
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 54 OF 194 USPATFULL on STN
AN 2003:86302 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES (U.S.
corporation)
PI US 2003059908 A1 20030327
AI US 2002-91504 A1 20020307 (10)
RLI Continuation of Ser. No. US 2001-764869, filed on 17 Jan 2001, ABANDONED

DT Utility
FS APPLICATION
LN.CNT 28555
INCL INCLM: 435/183.000
INCLS: 435/069.100; 435/320.100; 435/325.000; 536/023.200
NCL NCLM: 435/183.000
NCLS: 435/069.100; 435/320.100; 435/325.000; 536/023.200
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 55 OF 194 USPATFULL on STN
AN 2003:86270 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)
PI US 2003059908 A1 20030327
AI US 2002-91504 A1 20020307 (10)
RLI Continuation of Ser. No. US 2001-764869, filed on 17 Jan 2001, ABANDONED

AI US 2002-125540 A1 20020419 (10)
RLI Continuation of Ser. No. US 2001-764870, filed on 17 Jan 2001, ABANDONED

DT Utility
FS APPLICATION
LN.CNT 23013
INCL INCLM: 435/069.100
INCLS: 435/325.000; 435/320.100; 435/006.000; 435/183.000; 536/023.200
NCL NCLM: 435/069.100
NCLS: 435/325.000; 435/320.100; 435/006.000; 435/183.000; 536/023.200
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 56 OF 194 USPATFULL on STN
AN 2003:79308 USPATFULL
TI Secreted protein HKABT24
IN Moore, Paul A., Germantown, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Carter, Kenneth C., North Potomac, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Kyaw, Hla, Frederick, MD, UNITED STATES
Wei, Ying-Feig, Berkeley, CA, UNITED STATES
Florence, Kimberly A., Rockville, MD, UNITED STATES
Duan, D. Roxanne, Bethesda, MD, UNITED STATES
Florence, Charles, Rockville, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Feng, Ping, Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Painted Post, NY, UNITED STATES
Yu, Guo-Liang, Berkeley, CA, UNITED STATES
Janat, Fouad, Westerly, RI, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)
PI US 2003055236 A1 20030320
AI US 2002-97065 A1 20020314 (10)
RLI Division of Ser. No. US 1999-334595, filed on 17 Jun 1999, PENDING
Continuation-in-part of Ser. No. WO 1998-US27059, filed on 17 Dec 1998, UNKNOWN

FS APPLICATION
LN.CNT 12599
INCL INCLM: 536/023.200
INCLS: 435/069.100; 435/183.000; 435/325.000; 435/320.100
NCL NCLM: 536/023.200
NCLS: 435/069.100; 435/183.000; 435/325.000; 435/320.100
IC [7]
ICM: C07H021-04
ICS: C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 57 OF 194 USPATFULL on STN
AN 2003:79303 USPATFULL
TI 12 human secreted proteins
IN Ni, Jian, Germantown, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Kenny, Joseph J., Damascus, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Wei, Ying-Fei, Berkeley, CA, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Liu, Ding, Gaithersburg, MD, UNITED STATES
Crocker, Paul R., Dundee, UNITED KINGDOM
PI US 2003055231 A1 20030320
AI US 2001-984130 A1 20011029 (9)
RLI Continuation-in-part of Ser. No. US 2001-836353, filed on 18 Apr 2001, PENDING
Continuation-in-part of Ser. No. WO 1999-US25031, filed on 27 Oct 1999, UNKNOWN

DT Utility
FS APPLICATION
LN.CNT 21083

INCL INCLM: 536/023.100
NCL NCLM: 536/023.100
IC [7]
ICM: C07H021-02
ICS: C07H021-04

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 58 OF 194 USPATFULL on STN
AN 2003:78523 USPATFULL
TI 90 human secreted proteins
IN Ruben, Steven M., Olney, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Painted Post, NY, UNITED STATES
Yu, Guo-Liang, Berkeley, CA, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Brewer, Laurie A., St. Paul, MN, UNITED STATES
Janat, Fouad, Westerly, RI, UNITED STATES
Birse, Charles E., North Potomac, MD, UNITED STATES
PI US 2003054443 A1 20030320
AI US 2001-969730 A1 20011004 (9)
RLI Continuation-in-part of Ser. No. US 2001-774639, filed on 1 Feb 2001,
PENDING Continuation of Ser. No. US 1999-244112, filed on 4 Feb 1999,
ABANDONED Continuation-in-part of Ser. No. WO 1998-US16235, filed on 4

FS APPLICATION
LN.CNT 26693
INCL INCLM: 435/069.100
INCLS: 435/006.000; 435/007.100; 435/325.000; 435/320.100; 435/183.000;
536/023.100; 530/350.000
NCL NCLM: 435/069.100
NCLS: 435/006.000; 435/007.100; 435/325.000; 435/320.100; 435/183.000;
536/023.100; 530/350.000
IC [7]
ICM: C12P021-02
ICS: C12Q001-68; G01N033-53; C07H021-04; C12N009-00; C07K014-435;
C12N005-06

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 59 OF 194 USPATFULL on STN
AN 2003:78500 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES (U.S.
corporation)
PI US 2003054420 A1 20030320
AI US 2002-72349 A1 20020211 (10)
RLI Continuation of Ser. No. US 2001-764855, filed on 17 Jan 2001, ABANDONED

DT Utility
FS APPLICATION
LN.CNT 19700
INCL INCLM: 435/007.230
INCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 536/023.200
NCL NCLM: 435/007.230
NCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 536/023.200
IC [7]
ICM: G01N033-574
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 60 OF 194 USPATFULL on STN
AN 2003:78459 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S.
corporation)
PI US 2003054420 A1 20030320
AI US 2002-72349 A1 20020211 (10)
RLI Continuation of Ser. No. US 2001-764855, filed on 17 Jan 2001, ABANDONED

AI US 2002-116016 A1 20020405 (10)
RLI Continuation of Ser. No. US 2001-764848, filed on 17 Jan 2001, ABANDONED

DT Utility
FS APPLICATION
LN.CNT 18217
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 536/023.200
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 536/023.200
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 61 OF 194 USPATFULL on STN
AN 2003:78457 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)
PI US 2003054377 A1 20030320
AI US 2002-102627 A1 20020322 (10)
RLI Continuation of Ser. No. US 2001-764856, filed on 17 Jan 2001, PENDING

DT Utility
FS APPLICATION
LN.CNT 18653
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 536/023.200
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 536/023.200
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 62 OF 194 USPATFULL on STN
AN 2003:78455 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)
PI US 2003054375 A1 20030320
AI US 2002-92154 A1 20020307 (10)
RLI Continuation of Ser. No. US 2001-764847, filed on 17 Jan 2001, ABANDONED

DT Utility
FS APPLICATION
LN.CNT 26602
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 536/023.200
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 536/023.200
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 63 OF 194 USPATFULL on STN
AN 2003:78453 USPATFULL
TI Nucleic acids, proteins and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)
PI US 2003054373 A1 20030320
AI US 2002-91572 A1 20020307 (10)
RLI Continuation of Ser. No. US 2001-764850, filed on 17 Jan 2001, ABANDONED

DT Utility
FS APPLICATION
LN.CNT 21286

INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 536/023.200
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 536/023.200
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 64 OF 194 USPATFULL on STN
AN 2003:78448 USPATFULL
TI Nucleic acids, proteins and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)
PI US 2003054368 A1 20030320
AI US 2002-79854 A1 20020222 (10)
RLI Continuation of Ser. No. US 2001-764878, filed on 17 Jan 2001, PENDING

DT Utility
FS APPLICATION
LN.CNT 19483
INCL INCLM: 435/006.000
INCLS: 435/007.230; 435/069.300; 435/183.000; 435/320.100; 435/325.000; 536/023.200
NCL NCLM: 435/006.000
NCLS: 435/007.230; 435/069.300; 435/183.000; 435/320.100; 435/325.000; 536/023.200
IC [7]
ICM: C12Q001-68
ICS: G01N033-574; C07H021-04; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 65 OF 194 USPATFULL on STN
AN 2003:74478 USPATFULL
TI Secreted protein HT5GJ57
IN Ruben, Steven M., Olney, MD, United States
Komatsoulis, George, Silver Spring, MD, United States
Duan, Roxanne D., Bethesda, MD, United States
Rosen, Craig A., Laytonsville, MD, United States
Moore, Paul A., Germantown, MD, United States
Shi, Yanggu, Gaithersburg, MD, United States
LaFleur, David W., Washington, DC, United States
Ebner, Reinhard, Gaithersburg, MD, United States
Olsen, Henrik, Gaithersburg, MD, United States
Brewer, Laurie A., St. Paul, MN, United States
Florence, Kimberly A., Rockville, MD, United States
Young, Paul, Gaithersburg, MD, United States
Mucenski, Michael, Cincinnati, OH, United States
Endress, Gregory A., Potomac, MD, United States
Soppet, Daniel R., Centreville, VA, United States
PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S. corporation)
PI US 6534631 B1 20030318
AI US 2000-482273 20000113 (9)
RLI Continuation-in-part of Ser. No. WO 1999-US15849, filed on 14 Jul 1999
PRAI US 1998-92956P 19980715 (60)
US 1998-92922P 19980715 (60)
US 1998-92921P 19980715 (60)
DT Utility
FS GRANTED
LN.CNT 23784
INCL INCLM: 530/350.000
INCLS: 536/023.100; 536/024.100; 435/320.100; 435/325.000; 530/300.000
NCL NCLM: 530/350.000
NCLS: 435/320.100; 435/325.000; 530/300.000; 536/023.100; 536/024.100
IC [7]
ICM: C07K001-100
ICS: C07K014-00; C07K017-00; A61K038-00; C12N015-00; C12N015-09; C12N005-00
EXF 435/320.1; 435/325; 530/350; 530/300; 530/324; 536/23.1; 536/24.1; 424/185.1; 424/192.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 66 OF 194 USPATFULL on STN
AN 2003:72174 USPATFULL
TI Secreted protein HFEAF41
IN Young, Paul, Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Tewksbury, MA, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Duan, Roxanne, Bethesda, MD, UNITED STATES
Hu, Jing-Shan, Sunnyvale, CA, UNITED STATES
Florence, Kimberly, Rockville, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Brewer, Laurie A., St. Paul, MN, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Lafleur, David W., Washington, DC, UNITED STATES
Ni, Jian, Rockville, MD, UNITED STATES
PI US 2003050461 A1 20030313
AI US 2001-966262 A1 20011001 (9)
RLI Continuation of Ser. No. US 1998-154707, filed on 17 Sep 1998, PENDING
Continuation-in-part of Ser. No. WO 1998-US5311, filed on 19 Mar 1998,
UNKNOWN

DT Utility
FS APPLICATION
LN.CNT 15105
INCL INCLM: 536/023.200
INCLS: 435/006.000; 435/069.100; 435/183.000; 435/320.100; 435/325.000;
424/094.100
NCL NCLM: 536/023.200
NCLS: 435/006.000; 435/069.100; 435/183.000; 435/320.100; 435/325.000;
424/094.100
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; A61K038-43; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 67 OF 194 USPATFULL on STN
AN 2003:72173 USPATFULL
TI 31 human secreted proteins
IN Ni, Jian, Rockville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Florence, Kimberly A., Rockville, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Birse, Charles E., North Potomac, MD, UNITED STATES
Carter, Kenneth C., North Potomac, MD, UNITED STATES
Komatsoulis, George, Silver Spring, MD, UNITED STATES
PI US 2003050460 A1 20030313
AI US 2001-948820 A1 20010910 (9)
RLI Continuation of Ser. No. US 2000-565391, filed on 5 May 2000, PENDING
Continuation-in-part of Ser. No. WO 1999-US26409, filed on 9 Nov 1999,
UNKNOWN
PRAI US 1998-108207P 19981112 (60)
DT Utility
FS APPLICATION
LN.CNT 15657
INCL INCLM: 536/023.200
INCLS: 435/183.000; 435/325.000; 435/320.100; 435/069.100
NCL NCLM: 536/023.200
NCLS: 435/183.000; 435/325.000; 435/320.100; 435/069.100
IC [7]
ICM: C07H021-04
ICS: C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 68 OF 194 USPATFULL on STN
AN 2003:72168 USPATFULL
TI 64 human secreted proteins
IN Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES

Feng, Ping, Gaithersburg, MD, UNITED STATES
Florence, Kimberly A., Rockville, MD, UNITED STATES
Hu, Jing-Shan, Mountain View, CA, UNITED STATES
Ferrie, Ann M., Tewksbury, MA, UNITED STATES
Yu, Guo-Liang, Berkeley, CA, UNITED STATES
Duan, Roxanne D., Bethesda, MD, UNITED STATES
Janat, Fouad, Westerly, RI, UNITED STATES

PI US 2003050455 A1 20030313
AI US 2001-776724 A1 20010206 (9)
RLI Continuation-in-part of Ser. No. US 2000-669688, filed on 26 Sep 2000,
PENDING Continuation of Ser. No. US 1999-229982, filed on 14 Jan 1999,
PENDING Continuation-in-part of Ser. No. WO 1998-US14613, filed on 15
Jul 1998, UNKNOWN

DT Utility
FS APPLICATION
LN.CNT 21934
INCL INCLM: 536/023.100
NCL NCLM: 536/023.100
IC [7]
ICM: C07H021-02
ICS: C07H021-04

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 69 OF 194 USPATFULL on STN
AN 2003:72155 USPATFULL
TI 62 human secreted proteins
IN Ruben, Steven M., Olney, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
Komatsoulis, George, Silver Spring, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
LaFleur, David W., Washington, DC, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Florence, Kimberly A., Rockville, MD, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Birse, Charles E., North Potomac, MD, UNITED STATES
Young, Paul, Gaithersburg, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)
PI US 2003050442 A1 20030313
AI US 2002-50704 A1 20020118 (10)
RLI Continuation of Ser. No. US 2000-684524, filed on 10 Oct 2000, PENDING
Continuation-in-part of Ser. No. WO 2000-US8979, filed on 6 Apr 2000,
UNKNOWN
PRAI US 1999-128693P 19990409 (60)
US 1999-130991P 19990426 (60)

DT Utility
FS APPLICATION
LN.CNT 29145
INCL INCLM: 530/350.000
INCLS: 435/183.000; 536/023.200; 435/069.100; 435/325.000; 435/320.100
NCL NCLM: 530/350.000
NCLS: 435/183.000; 536/023.200; 435/069.100; 435/325.000; 435/320.100
IC [7]
ICM: C07K014-435
ICS: C12P021-02; C12N005-06; C07H021-04; C12N009-00

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 70 OF 194 USPATFULL on STN
AN 2003:71944 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2003050231 A1 20030313
AI US 2001-764872 A1 20010117 (9)

DT Utility
FS APPLICATION
LN.CNT 22015
INCL INCLM: 514/012.000
INCLS: 536/023.200; 530/350.000; 435/069.100; 435/183.000; 435/325.000;
435/320.100
514/012.000

NCLS: 536/023.200; 530/350.000; 435/069.100; 435/183.000; 435/325.000;
435/320.100

IC [7]
ICM: A61K038-17
ICS: C07H021-04; C12N009-00; C07K014-435; C12P021-02; C12N005-06

L5 ANSWER 71 OF 194 USPATFULL on STN
AN 2003:71418 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)
PI US 2003049703 A1 20030313
AI US 2002-91548 A1 20020307 (10)
RLI Continuation of Ser. No. US 2001-764904, filed on 17 Jan 2001, PENDING

DT Utility
FS APPLICATION
LN.CNT 22036
INCL INCLM: 435/007.230
INCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 536/023.200
NCL NCLM: 435/007.230
NCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 536/023.200
IC [7]
ICM: G01N033-574
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06

L5 ANSWER 72 OF 194 USPATFULL on STN
AN 2003:71367 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)
PI US 2003049652 A1 20030313
AI US 2002-92256 A1 20020307 (10)
RLI Continuation of Ser. No. US 2001-764884, filed on 17 Jan 2001, ABANDONED

DT Utility
FS APPLICATION
LN.CNT 18403
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 536/023.200
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 536/023.200
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06

L5 ANSWER 73 OF 194 USPATFULL on STN
AN 2003:71365 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)
PI US 2003049650 A1 20030313
AI US 2002-91483 A1 20020307 (10)
RLI Continuation of Ser. No. US 2001-764846, filed on 17 Jan 2001, ABANDONED

DT Utility
FS APPLICATION
LN.CNT 22593
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/320.100; 435/183.000; 435/325.000; 536/023.200
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/320.100; 435/183.000; 435/325.000; 536/023.200
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06

L5 ANSWER 74 OF 194 USPATFULL on STN
AN 2003:71333 USPATFULL

IN Ruben, Steven M., Olney, MD, UNITED STATES
 Rosen, Craig A., Laytonsville, MD, UNITED STATES
 Soppet, Daniel R., Centreville, VA, UNITED STATES
 Carter, Kenneth C., North Potomac, MD, UNITED STATES
 Bednarik, Daniel P., Columbia, MD, UNITED STATES
 Endress, Gregory A., Florence, MA, UNITED STATES
 Yu, Guo-Liang, Berkeley, CA, UNITED STATES
 Ni, Jian, Germantown, MD, UNITED STATES
 Feng, Ping, Gaithersburg, MD, UNITED STATES
 Young, Paul E., Gaithersburg, MD, UNITED STATES
 Greene, John M., Gaithersburg, MD, UNITED STATES
 Ferrie, Ann M., Painted Post, NY, UNITED STATES
 Duan, D. Roxanne, Bethesda, MD, UNITED STATES
 Hu, Jing-Shan, Mountain View, CA, UNITED STATES
 Florence, Kimberly A., Rockville, MD, UNITED STATES
 Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
 Fischer, Carrie L., Burke, VA, UNITED STATES
 Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
 Brewer, Laurie A., St. Paul, MN, UNITED STATES
 Moore, Paul A., Germantown, MD, UNITED STATES
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES
 LaFleur, David W., Washington, DC, UNITED STATES
 Li, Yi, Sunnyvale, CA, UNITED STATES
 Zeng, Zhizhen, Lansdale, PA, UNITED STATES
 Kyaw, Hla, Frederick, MD, UNITED STATES
 PI US 2003049618 A1 20030313
 AI US 2001-809391 A1 20010316 (9)
 RLI Continuation-in-part of Ser. No. US 1998-149476, filed on 8 Sep 1998,
 GRANTED, Pat. No. US 6420526 Continuation-in-part of Ser. No. WO
 1998-US4493, filed on 6 Mar 1998, UNKNOWN

DT Utility
 FS APPLICATION
 LN.CNT 26235
 INCL INCLM: 435/006.000
 INCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000;
 536/023.100
 NCL NCLM: 435/006.000
 NCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000;
 536/023.100
 IC [7]
 ICM: C12Q001-68
 ICS: C07H021-04; C12N009-00; C12N005-06; C12P021-02; C07K014-435

L5 ANSWER 75 OF 194 USPATFULL on STN
 AN 2003:67750 USPATFULL
 TI Secreted protein HEMCM42
 IN Ruben, Steven M., Olney, MD, United States
 Rosen, Craig A., Laytonsville, MD, United States
 Carter, Kenneth C., North Potomac, MD, United States
 Dillon, Patrick J., Carlsbad, CA, United States
 Endress, Gregory A., Potomac, MD, United States
 Yu, Guo-Liang, Berkeley, CA, United States
 Ni, Jian, Rockville, MD, United States
 Feng, Ping, Gaithersburg, MD, United States
 PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S.
 corporation)
 PI US 6531447 B1 20030311
 AI US 2000-690454 20001018 (9)
 RLI Continuation of Ser. No. US 1998-189144, filed on 10 Nov 1998, now
 abandoned Continuation-in-part of Ser. No. WO 1998-US10868, filed on 28
 May 1998

FS GRANTED
 LN.CNT 8943
 INCL INCLM: 514/002.000
 INCLS: 530/300.000; 530/350.000
 NCL NCLM: 514/002.000
 NCLS: 530/300.000; 530/350.000
 IC [7]
 ICM: C07K014-00
 EXF 530/300; 530/350; 514/12
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 76 OF 194 USPATFULL on STN
 AN 2003:64786 USPATFULL

TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)
PI US 2003044907 A1 20030306
AI US 2002-80110 A1 20020222 (10)
RLI Continuation of Ser. No. US 2001-764857, filed on 17 Jan 2001, ABANDONED

L5 ANSWER 77 OF 194 USPATFULL on STN
AN 2003:64784 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)
PI US 2003044905 A1 20030306
AI US 2002-73979 A1 20020214 (10)
RLI Continuation of Ser. No. US 2001-764885, filed on 17 Jan 2001, ABANDONED

L5 ANSWER 78 OF 194 USPATFULL on STN
AN 2003:64783 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)
PI US 2003044904 A1 20030306
AI US 2002-73865 A1 20020214 (10)
RLI Continuation of Ser. No. US 2001-764893, filed on 17 Jan 2001, ABANDONED

L5 ANSWER 79 OF 194 USPATFULL on STN
AN 2003:64769 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2003044890 A1 20030306
AI US 2001-764876 A1 20010117 (9)

L5 ANSWER 80 OF 194 USPATFULL on STN
AN 2003:64730 USPATFULL
TI Secreted protein HCEJQ69
IN Ruben, Steven M., Olney, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Wei, Ying-Fei, Berkeley, CA, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Florence, Kimberly A., Rockville, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Brewer, Laurie A., St. Paul, MN, UNITED STATES
Endress, Gregory A., Florence, MA, UNITED STATES
Carter, Kenneth C., North Potomac, MD, UNITED STATES
Mucenski, Michael, Cincinnati, OH, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
LaFleur, David W., Washington, DC, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Komatsoulis, George A., Silver Spring, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES (U.S. corporation)
PI US 2003044851 A1 20030306
AI US 2001-12542 A1 20011212 (10)
RLI Division of Ser. No. US 1999-461325, filed on 14 Dec 1999, PENDING
Continuation-in-part of Ser. No. WO 1999-US13418, filed on 15 Jun 1999, UNKNOWN

DT Utility
FS APPLICATION

LN CNT 10021

INCL INCLM: 435/007.200
INCLS: 530/387.100; 435/326.000
NCL NCLM: 435/007.200
NCLS: 530/387.100; 435/326.000
IC [7]
ICM: G01N033-53
ICS: C07K016-00; C12N005-16; C12N005-06; G01N033-567
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 81 OF 194 USPATFULL on STN
AN 2003:57524 USPATFULL
TI Secreted protein HT5GJ57
IN Ruben, Steven M., Olney, MD, UNITED STATES
Komatsoulis, George, Silver Spring, MD, UNITED STATES
Duan, Roxanne D., Bethesda, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
LaFleur, David W., Washington, DC, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Brewer, Laurie A., St. Paul, MN, UNITED STATES
Florence, Kimberly A., Rockville, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Mucenski, Michael, Cincinnati, OH, UNITED STATES
Endress, Gregory A., Florence, MA, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)
PI US 2003040088 A1 20030227
AI US 2001-984271 A1 20011029 (9)
RLI Division of Ser. No. US 2000-482273, filed on 13 Jan 2000, PENDING
Continuation-in-part of Ser. No. WO 1999-US15849, filed on 14 Jul 1999, UNKNOWN

FS APPLICATION
LN.CNT 24720
INCL INCLM: 435/183.000
INCLS: 435/006.000; 435/069.100; 435/325.000; 435/320.100; 530/350.000;
536/023.200
NCL NCLM: 435/183.000
NCLS: 435/006.000; 435/069.100; 435/325.000; 435/320.100; 530/350.000;
536/023.200
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 82 OF 194 USPATFULL on STN
AN 2003:57430 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)
PI US 2003039994 A1 20030227
AI US 2002-91526 A1 20020307 (10)
RLI Continuation of Ser. No. US 2001-764889, filed on 17 Jan 2001, PENDING

L5 ANSWER 83 OF 194 USPATFULL on STN
AN 2003:57429 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)
PI US 2003039993 A1 20030227
AI US 2002-79900 A1 20020222 (10)
RLI Continuation of Ser. No. US 2001-764873, filed on 17 Jan 2001, ABANDONED

L5 ANSWER 84 OF 194 USPATFULL on STN
AN 2003:53885 USPATFULL
TI Precerebellin-like protein

Greene, John M., Gaithersburg, MD, United States
 Ferrie, Ann M., Tewksbury, MA, United States
 Ruben, Steven M., Olney, MD, United States
 Rosen, Craig A., Laytonsville, MD, United States
 Hu, Jing-Shan, Sunnyvale, CA, United States
 Olsen, Henrik S., Gaithersburg, MD, United States
 Ebner, Reinhard, Gaithersburg, MD, United States
 Brewer, Laurie A., St. Paul, MN, United States
 Moore, Paul A., Germantown, MD, United States
 Shi, Yanggu, Gaithersburg, MD, United States
 Florence, Charles, Rockville, MD, United States
 Florence, Kimberly, Rockville, MD, United States
 Lafleur, David W., Washington, DC, United States
 Ni, Jian, Rockville, MD, United States
 Fan, Ping, Gaithersburg, MD, United States
 Wei, Ying-Fei, Berkeley, CA, United States
 Fischer, Carrie L., Burke, VA, United States
 Soppet, Daniel R., Centreville, VA, United States
 Li, Yi, Sunnyvale, CA, United States
 Zeng, Zhizhen, Gaithersburg, MD, United States
 Kyaw, Hla, Frederick, MD, United States
 Yu, Guo-Liang, Berkeley, CA, United States
 Feng, Ping, Gaithersburg, MD, United States
 Dillon, Patrick J., Carlsbad, CA, United States
 Endress, Gregory A., Potomac, MD, United States
 Carter, Kenneth C., North Potomac, MD, United States
 PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S.
 corporation)
 PI US 6525174 B1 20030225
 AI US 1998-205258 19981204 (9)
 RLI Continuation-in-part of Ser. No. WO 1998-US11422, filed on 4 Jun 1998

L5 ANSWER 85 OF 194 USPATFULL on STN
 AN 2003:51547 USPATFULL
 TI Signal transduction pathway component polynucleotides, polypeptides,
 antibodies and methods based thereon
 IN Barash, Steven C., Rockville, MD, UNITED STATES
 Ni, Jian, Germantown, MD, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES
 Rosen, Craig A., Laytonsville, MD, UNITED STATES
 Young, Paul E., Berkeley, CA, UNITED STATES
 Rohrschneider, Larry R., Seattle, WA, UNITED STATES
 PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S.
 corporation)
 PI US 2003036505 A1 20030220
 AI US 2001-955999 A1 20010920 (9)
 PRAI US 2000-234997P 20000925 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 24363
 INCL INCL: 514/012.000
 INCL: 530/350.000; 536/023.500; 435/006.000; 435/069.100; 435/325.000;
 435/320.100
 NCL NCL: 514/012.000
 NCL: 530/350.000; 536/023.500; 435/006.000; 435/069.100; 435/325.000;
 435/320.100
 IC [7]
 ICM: A61K038-17
 ICS: C07K014-435; C12Q001-68; C07H021-04; C12P021-02; C12N005-06
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 86 OF 194 USPATFULL on STN
 AN 2003:38356 USPATFULL
 TI 125 human secreted proteins
 IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
 Feng, Ping, Gaithersburg, MD, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES
 Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
 Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
 Ni, Jian, Germantown, MD, UNITED STATES
 Wei, Ying-Fei, Berkeley, CA, UNITED STATES
 Soppet, Daniel R., Centreville, VA, UNITED STATES
 Moore, Paul A., Germantown, MD, UNITED STATES
 Kyaw, Hla, Frederick, MD, UNITED STATES

Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Janat, Fouad, Westerly, RI, UNITED STATES
Endress, Gregory A., Florence, MA, UNITED STATES
Carter, Kenneth C., North Potomac, MD, UNITED STATES
Birse, Charles E., North Potomac, MD, UNITED STATES

PI US 2003028003 A1 20030206
AI US 2001-974879 A1 20011012 (9)
RLI Continuation-in-part of Ser. No. US 2001-818683, filed on 28 Mar 2001,
PENDING Continuation of Ser. No. US 1999-305736, filed on 5 May 1999,
PENDING Continuation-in-part of Ser. No. WO 1998-US23435, filed on 4 Nov

FS APPLICATION
LN.CNT 36277
INCL INCLM: 536/023.200
INCLS: 435/069.100; 435/325.000; 435/320.100; 435/183.000
NCL NCLM: 536/023.200
NCLS: 435/069.100; 435/325.000; 435/320.100; 435/183.000
IC [7]
ICM: C07H021-04
ICS: C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 87 OF 194 USPATFULL on STN
AN 2003:38352 USPATFULL
TI 143 human secreted proteins
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Komatsoulis, George A., Silver Spring, MD, UNITED STATES
Birse, Charles E., North Potomac, MD, UNITED STATES
Duan, Roxanne D., Bethesda, MD, UNITED STATES
Florence, Kimberly A., Rockville, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
PI US 2003027999 A1 20030206
AI US 2001-986480 A1 20011108 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US12788, filed on 11 May 2000,
UNKNOWN
PRAI US 1999-134068P 19990513 (60)
DT Utility
FS APPLICATION
LN.CNT 29687
INCL INCLM: 536/023.100
NCL NCLM: 536/023.100
IC [7]
ICM: C07H021-02
ICS: C07H021-04
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 88 OF 194 USPATFULL on STN
AN 2003:38129 USPATFULL
TI 29 human cancer associated proteins
IN Roschke, Viktor, Rockville, MD, UNITED STATES
PI US 2003027776 A1 20030206
AI US 2001-23896 A1 20011221 (10)
RLI Continuation-in-part of Ser. No. WO 2000-US23794, filed on 30 Aug 2000,
UNKNOWN
PRAI US 1999-152296P 19990903 (60)
US 1999-158003P 19991006 (60)
DT Utility
FS APPLICATION
LN.CNT 23049
INCL INCLM: 514/044.000
INCLS: 536/023.100; 530/350.000; 435/006.000; 435/007.230; 435/069.100;
435/325.000; 435/320.100
NCL NCLM: 514/044.000
NCLS: 536/023.100; 530/350.000; 435/006.000; 435/007.230; 435/069.100;
435/325.000; 435/320.100
IC [7]
ICM: A61K048-00
ICS: C12Q001-68; G01N033-574; C07H021-04
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 89 OF 194 USPATFULL on STN
AN 2003:37652 USPATFULL
TI

IN Fiscella, Michele, Bethesda, MD, UNITED STATES
Wei, Ping, Brookeville, MD, UNITED STATES
LaFleur, David W., Washington, DC, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Komatsoulis, George A., Silver Spring, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Duan, Roxanne D., Bethesda, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Florence, Kimberly A., Rockville, MD, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Birse, Charles E., North Potomac, MD, UNITED STATES
Ni, Jian, Rockville, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
PI US 2003027297 A1 20030206
AI US 2001-832129 A1 20010411 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US28664, filed on 17 Oct 2000,
UNKNOWN
PRAI US 1999-163085P 19991102 (60)
US 1999-172411P 19991217 (60)
DT Utility
FS APPLICATION
LN.CNT 16487
INCL INCLM: 435/183.000
INCLS: 435/069.100; 435/325.000; 435/320.100; 530/350.000; 536/023.200
NCL NCLM: 435/183.000
NCLS: 435/069.100; 435/325.000; 435/320.100; 530/350.000; 536/023.200
IC [7]
ICM: C12P021-02
ICS: C12N005-06; C07K014-435; C07H021-04; C12N009-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 90 OF 194 USPATFULL on STN
AN 2003:37487 USPATFULL
TI Secreted Protein HODAZ50
IN RUBEN, STEVEN M., OLNEY, MD, UNITED STATES
ROSEN, CRAIG A., LAYTONSVILLE, MD, UNITED STATES
FISCHER, CARRIE L., BURKE, VA, UNITED STATES
SOPPET, DANIEL R., CENTREVILLE, MD, UNITED STATES
CARTER, KENNETH C., POTOMAC, MD, UNITED STATES
BEDNARIK, DANIEL R., COLUMBIA, MD, UNITED STATES
ENDRESS, GREGORY A., POTOMAC, MD, UNITED STATES
YU, GUO-LIANG, SAN MATEO, CA, UNITED STATES
NI, JIAN, ROCKVILLE, MD, UNITED STATES
FENG, PING, GAITHERSBURG, MD, UNITED STATES
YOUNG, PAUL E., GAITHERSBURG, MD, UNITED STATES
GREENE, JOHN M., GAITHERSBURG, MD, UNITED STATES
FERRIE, ANN M., TEWKSBURY, MA, UNITED STATES
DUAN, ROXANNE, BETHESDA, MD, UNITED STATES
HU, JING-SHAN, SUNNYVALE, CA, UNITED STATES
FLORENCE, KIMBERLY A., ROCKVILLE, MD, UNITED STATES
OLSEN, HENRIK S., GAITHERSBURG, MD, UNITED STATES
EBNER, REINHARD, GAITHERSBURG, MD, UNITED STATES
BREWER, LAURIE A., ST. PAUL, MN, UNITED STATES
SHI, YANGGU, GAITHERSBURG, MD, UNITED STATES
PI US 2003027132 A1 20030206
US 6590075 B2 20030708
AI US 1998-148545 A1 19980904 (9)
RLI Continuation-in-part of Ser. No. WO 1998-US4482, filed on 6 Mar 1998,
PENDING

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 91 OF 194 USPATFULL on STN
AN 2003:31119 USPATFULL
TI Attractin-like polynucleotides, polypeptides, and antibodies
IN Ni, Jian, Germantown, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S.
corporation)
PI US 2003023070 A1 20030130
AT US 2001-84004 A1 20020201 (10)

RLI Continuation of Ser. No. US 2001-790621, filed on 23 Feb 2001, PENDING
Continuation-in-part of Ser. No. WO 2000-US23663, filed on 29 Aug 2000,
UNKNOWN
PRAI US 1999-151348P 19990830 (60)
DT Utility
FS APPLICATION
LN.CNT 12029
INCL INCLM: 536/023.500
INCLS: 530/350.000; 435/069.100; 435/325.000; 435/320.100
NCL NCLM: 536/023.500
NCLS: 530/350.000; 435/069.100; 435/325.000; 435/320.100
IC [7]
ICM: C07H021-04
ICS: C07K014-435; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 92 OF 194 USPATFULL on STN
AN 2003:30391 USPATFULL
TI Kunitz-type protease inhibitor polynucleotides, polypeptides, and
antibodies
IN Ruben, Steven M., Olney, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S.
corporation)
PI US 2003022338 A1 20030130
AI US 2002-125522 A1 20020419 (10)
RLI Continuation of Ser. No. US 2001-858718, filed on 17 May 2001, PENDING
Continuation-in-part of Ser. No. WO 2000-US31917, filed on 21 Nov 2000,
UNKNOWN
PRAI US 1999-166751P 19991122 (60)
DT Utility
FS APPLICATION
LN.CNT 12021
INCL INCLM: 435/194.000
INCLS: 435/320.100; 435/325.000; 536/023.200; 435/069.100
NCL NCLM: 435/194.000
NCLS: 435/320.100; 435/325.000; 536/023.200; 435/069.100
IC [7]
ICM: C12N009-12
ICS: C07H021-04; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 93 OF 194 USPATFULL on STN
AN 2003:30238 USPATFULL
TI Secreted protein HLHFP03
IN Fischer, Carrie L., Burke, VA, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Kyaw, Hla, Frederick, MD, UNITED STATES
Li, Yi, Sunnyvale, CA, UNITED STATES
Zeng, Zhizhen, Lansdale, PA, UNITED STATES
LaFleur, David W., Washington, DC, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Brewer, Laurie A., St. Paul, MN, UNITED STATES
PI US 2003022185 A1 20030130
AI US 2001-983802 A1 20011025 (9)
RLI Continuation of Ser. No. US 1999-227357, filed on 8 Jan 1999, GRANTED,
Pat. No. US 6342581 Continuation-in-part of Ser. No. WO 1998-US13684,
filed on 7 Jul 1998, UNKNOWN

L5 ANSWER 94 OF 194 USPATFULL on STN
AN 2003:25137 USPATFULL
TI IGF-I expression system and methods of use
IN Coleman, Michael, The Woodlands, TX, UNITED STATES
Schwartz, Robert, Houston, TX, UNITED STATES
DeMayo, Francesco J., Houston, TX, UNITED STATES
PI US 2003018984 A1 20030123
AI US 2001-861101 A1 20010518 (9)
RLI Continuation of Ser. No. US 1997-974572, filed on 19 Nov 1997, ABANDONED
PRAI US 1996-31539P 19961202 (60)
DT Utility

FS APPLICATION
LN.CNT 2965
INCL INCLM: 800/004.000
INCLS: 514/044.000; 435/320.100; 435/069.400
NCL NCLM: 800/004.000
NCLS: 514/044.000; 435/320.100; 435/069.400
IC [7]
ICM: C12P021-00
ICS: A61K048-00; C12N015-74
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 95 OF 194 USPATFULL on STN
AN 2003:24336 USPATFULL
TI Secreted protein HFEAF41
IN Young, Paul, Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Painted Post, NY, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Duan, Roxanne, Bethesda, MD, UNITED STATES
Hu, Jing-Shan, Mountain View, CA, UNITED STATES
Florence, Kimberly, Rockville, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Brewer, Laurie A., St. Paul, MN, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, VA, UNITED STATES
LaFleur, David W., Washington, DC, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)
PI US 2003018180 A1 20030123
AI US 2002-59395 A1 20020131 (10)
RLI Division of Ser. No. US 2001-966262, filed on 1 Oct 2001, PENDING
Continuation of Ser. No. US 1998-154707, filed on 17 Sep 1998, PENDING
Continuation-in-part of Ser. No. WO 1998-US5311, filed on 19 Mar 1998,
UNKNOWN

L5 ANSWER 96 OF 194 USPATFULL on STN
AN 2003:23660 USPATFULL
TI Secreted protein HT5GJ57
IN Ruben, Steven M., Olney, MD, UNITED STATES
Komatsoulis, George, Silver Spring, MD, UNITED STATES
Duan, Roxanne D., Bethesda, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
LaFleur, David W., Washington, DC, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Olsen, Henrik, Gaithersburg, MD, UNITED STATES
Brewer, Laurie A., St. Paul, MN, UNITED STATES
Florence, Kimberly A., Rockville, MD, UNITED STATES
Young, Paul, Gaithersburg, MD, UNITED STATES
Mucenski, Michael, Cincinnati, OH, UNITED STATES
Endress, Gregory A., Florence, MA, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)
PI US 2003017500 A1 20030123
AI US 2001-984276 A1 20011029 (9)
RLI Division of Ser. No. US 2000-482273, filed on 13 Jan 2000, PENDING
Continuation-in-part of Ser. No. WO 1999-US15849, filed on 14 Jul 1999,
UNKNOWN

L5 ANSWER 97 OF 194 USPATFULL on STN
AN 2003:17897 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2003013649 A1 20030116
AI US 2001-989442 A1 20011121 (9)
RLI Continuation of Ser. No. US 2001-764863, filed on 17 Jan 2001, ABANDONED

L5 ANSWER 98 OF 194 USPATFULL

AN 2003:4280 USPATFULL
TI 31 human secreted proteins
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Ferrie, Ann M., Tewksbury, MA, UNITED STATES
Florence, Charles, Rockville, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Yu, Guo-Liang, Berkeley, CA, UNITED STATES
Ni, Jian, Rockville, MD, UNITED STATES
PI US 2003004324 A1 20030102
AI US 2001-798889 A1 20010306 (9)
RLI Continuation of Ser. No. US 1999-393022, filed on 9 Sep 1999, ABANDONED
Continuation-in-part of Ser. No. WO 1999-US5721, filed on 11 Mar 1999,
UNKNOWN

L5 ANSWER 99 OF 194 USPATFULL on STN
AN 2003:3520 USPATFULL
TI 90 human secreted proteins
IN Ruben, Steven M., Olney, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Tewksbury, MA, UNITED STATES
Yu, Guo-Liang, Berkeley, CA, UNITED STATES
Ni, Jian, Rockville, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Brewer, Laurie A., St. Paul, MN, UNITED STATES
Janat, Fouad, Westerly, RI, UNITED STATES
PI US 2003003555 A1 20030102
AI US 2001-774639 A1 20010201 (9)
RLI Continuation of Ser. No. US 1999-244112, filed on 4 Feb 1999, ABANDONED
Continuation-in-part of Ser. No. WO 1998-US16235, filed on 4 Aug 1998,
UNKNOWN

L5 ANSWER 100 OF 194 USPATFULL on STN
AN 2002:344413 USPATFULL
TI B7-like polynucleotides, polypeptides, and antibodies
IN Ruben, Steven M., Olney, MD, UNITED STATES
Chen, Lieping, Rochester, MN, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
PI US 2002198143 A1 20021226
AI US 2001-790622 A1 20010223 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US23792, filed on 30 Aug 2000,

DT Utility
FS APPLICATION
LN.CNT 12424
INCL INCLM: 514/012.000
INCLS: 435/069.100; 435/320.100; 435/325.000; 536/023.500
NCL NCLM: 514/012.000
NCLS: 435/069.100; 435/320.100; 435/325.000; 536/023.500
IC [7]
ICM: A61K038-17
ICS: C12P021-02; C12N005-06; C07H021-04
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 101 OF 194 USPATFULL on STN
AN 2002:343975 USPATFULL
TI Serine protease polynucleotides, polypeptides, and antibodies
IN Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S.
corporation)
PI US 2002197701 A1 20021226
AI US 2002-67761 A1 20020208 (10)
RLI Continuation of Ser. No. US 2001-804156, filed on 13 Mar 2001, PENDING
PRAI US 2000-189025P 20000314 (60)
DT Utility
FS APPLICATION
LN.CNT 12037

INCL INCLM: 435/226.000
INCLS: 435/069.100; 435/320.100; 435/325.000; 536/023.200
NCL NCLM: 435/226.000
NCLS: 435/069.100; 435/320.100; 435/325.000; 536/023.200
IC [7]
ICM: C12N009-64
ICS: C07H021-04; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 102 OF 194 USPATFULL on STN
AN 2002:337390 USPATFULL
TI Human polynucleotides, polypeptides, and antibodies
IN Moore, Paul A., Germantown, MD, UNITED STATES
Coleman, Timothy A., Gaithersburg, MD, UNITED STATES
Gentz, Reiner L., Rockville, MD, UNITED STATES
Dillon, Patrick J., Carlsbad, CA, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
Li, Yi, Sunnyvale, CA, UNITED STATES
Endress, Gregory A., Florence, MA, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
PI US 2002192749 A1 20021219
AI US 2001-969384 A1 20011003 (9)
RLI Continuation-in-part of Ser. No. WO 2001-US10542, filed on 2 Apr 2001,
UNKNOWN
PRAI US 2000-194118P 20000403 (60)
US 2000-236384P 20000929 (60)
DT Utility
FS APPLICATION
LN.CNT 13925
INCL INCLM: 435/069.100
INCLS: 435/183.000; 435/325.000; 435/320.100; 530/350.000; 536/023.200
NCL NCLM: 435/069.100
NCLS: 435/183.000; 435/325.000; 435/320.100; 530/350.000; 536/023.200
IC [7]
ICM: C12P021-02
ICS: C12N005-06; C07H021-04; C12N009-00; C07K014-435
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 103 OF 194 USPATFULL on STN
AN 2002:323332 USPATFULL
TI 26 human secreted proteins
IN Ruben, Steven M., Olney, MD, UNITED STATES
Birse, Charles E., North Potomac, MD, UNITED STATES
Duan, Roxanne D., Bethesda, MD, UNITED STATES
Soppet, Daniel R., Laytonsville, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
LaFleur, David W., Washington, DC, UNITED STATES
Olsen, Henrik, Gaithersburg, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Florence, Kimberly A., Rockville, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
Young, Paul, Gaithersburg, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)
PI US 2002183503 A1 20021205
AI US 2002-42141 A1 20020111 (10)
RLI Continuation of Ser. No. US 2000-726643, filed on 1 Dec 2000, PENDING
Continuation-in-part of Ser. No. WO 2000-US15187, filed on 2 Jun 2000,
UNKNOWN
PRAI US 1999-137725P 19990607 (60)
DT Utility
FS APPLICATION
LN.CNT 20367
INCL INCLM: 536/023.200
INCLS: 435/006.000; 435/183.000; 435/069.100; 435/320.100; 435/325.000
NCL NCLM: 536/023.200
NCLS: 435/006.000; 435/183.000; 435/069.100; 435/320.100; 435/325.000
IC [7]
ICM: C07H021-04
ICS: C12Q001-68; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 104 OF 194 USPATFULL on STN
AN 2002:322538 USPATFULL
TI ADAM polynucleotides, polypeptides, and antibodies
IN Ruben, Steven M., Olney, MD, UNITED STATES

Ni, Jian, Germantown, MD, UNITED STATES
Hastings, Gregg A., Westlake Village, CA, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Wei, Ping, Brookeville, MD, UNITED STATES
PI US 2002182702 A1 20021205
AI US 2001-955504 A1 20010919 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US14308, filed on 25 May 2000,
UNKNOWN Continuation-in-part of Ser. No. US 2000-712907, filed on 16 Nov
2000, PENDING

L5 ANSWER 105 OF 194 USPATFULL on STN
AN 2002:308509 USPATFULL
TI ADAM polynucleotides, polypeptides, and antibodies
IN Ruben, Steven M., Olney, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
Hastings, Gregg A., Westlake Village, CA, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Wei, Ping, Brookeville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES (U.S.
corporation)
PI US 2002173640 A1 20021121
AI US 2002-125452 A1 20020419 (10)
RLI Continuation of Ser. No. US 2001-955504, filed on 19 Sep 2001, PENDING
Continuation of Ser. No. US 2000-712907, filed on 16 Nov 2000, PENDING
Continuation of Ser. No. WO 2000-US14308, filed on 25 May 2000, UNKNOWN

L5 ANSWER 106 OF 194 USPATFULL on STN
AN 2002:308333 USPATFULL
TI Protein tyrosine kinase receptor polynucleotides, polypeptides, and
antibodies
IN Ruben, Steven M., Olney, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
PI US 2002173458 A1 20021121
AI US 2001-836392 A1 20010418 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US28066, filed on 12 Oct 2000,
UNKNOWN

L5 ANSWER 107 OF 194 USPATFULL on STN
AN 2002:308329 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002173454 A1 20021121
AI US 2001-764904 A1 20010117 (9)

L5 ANSWER 108 OF 194 USPATFULL on STN
AN 2002:307870 USPATFULL
TI 28 human secreted proteins
IN Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Li, Yi, Sunnyvale, CA, UNITED STATES
Zeng, Zhizhen, Lansdale, PA, UNITED STATES
Kyaw, Hla, Frederick, MD, UNITED STATES
Fischer, Carrie L., Burke, VA, UNITED STATES
Li, Haodong, Gaithersburg, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Gentz, Reiner L., Rockville, MD, UNITED STATES
Wei, Ying-Fei, Berkeley, CA, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Tewksbury, MA, UNITED STATES
PI US 2002172994 A1 20021121
AI US 2001-852797 A1 20010511 (9)
RLI Continuation-in-part of Ser. No. US 1998-152060, filed on 11 Sep 1998,
PENDING Continuation-in-part of Ser. No. WO 1998-US4858, filed on 12 Mar
1998, UNKNOWN
PRAI US 2001-265583P 20010202 (60)
US 1997-40762P 19970314 (60)
US 1997-40710P 19970314 (60)
US 1997-50024P 19970314 (60)

US 1997-48100P 19970530 (60)
 US 1997-48357P 19970530 (60)
 US 1997-48189P 19970530 (60)
 US 1997-57765P 19970905 (60)
 US 1997-48970P 19970606 (60)
 US 1997-68368P 19971219 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 17794
 INCL INCLM: 435/069.100
 INCLS: 435/226.000; 435/325.000; 435/320.100; 536/023.200
 NCL NCLM: 435/069.100
 NCLS: 435/226.000; 435/325.000; 435/320.100; 536/023.200
 IC [7]
 ICM: C12P021-02
 ICS: C12N005-06; C07H021-04; C12N009-64
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L5 ANSWER 109 OF 194 USPATFULL on STN
 AN 2002:301167 USPATFULL
 TI Nucleic acids, proteins, and antibodies
 IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES
 Barash, Steven C., Rockville, MD, UNITED STATES
 L5 ANSWER 110 OF 194 USPATFULL on STN
 AN 2002:295334 USPATFULL
 TI Steroid hormone receptor polynucleotides, polypeptides, and antibodies
 IN Ni, Jian, Germantown, MD, UNITED STATES
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES
 PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)
 PI US 2002165384 A1 20021107
 AI US 2002-103511 A1 20020322 (10)
 RLI Continuation of Ser. No. US 2001-805204, filed on 14 Mar 2001, PENDING
 Continuation-in-part of Ser. No. WO 2000-US24517, filed on 7 Sep 2000, UNKNOWN
 PRAI US 2000-189032P 20000314 (60)
 US 1999-152932P 19990909 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 11571
 INCL INCLM: 536/023.500
 INCLS: 530/350.000; 435/069.100; 435/320.100; 435/325.000
 NCL NCLM: 536/023.500
 NCLS: 530/350.000; 435/069.100; 435/320.100; 435/325.000
 IC [7]
 ICM: C07H021-04
 ICS: C07K014-72; C12P021-02; C12N005-06
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L5 ANSWER 111 OF 194 USPATFULL on STN
 AN 2002:295324 USPATFULL
 TI Secreted protein HFEAF41
 IN Young, Paul, Gaithersburg, MD, UNITED STATES
 Greene, John M., Gaithersburg, MD, UNITED STATES
 Ferrie, Ann M., Tewksburg, MA, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES
 Rosen, Craig A., Laytonsville, MD, UNITED STATES
 Duan, Roxanne, Bethesda, MD, UNITED STATES
 Hu, Jing-Shan, Sunnyvale, CA, UNITED STATES
 Florence, Kimberly, Rockville, MD, UNITED STATES
 Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
 Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
 Brewer, Laurie A., St. Paul, MN, UNITED STATES
 Moore, Paul A., Germantown, MD, UNITED STATES
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES
 Lafleur, David W., Washington, DC, UNITED STATES
 Ni, Jian, Rockville, MD, UNITED STATES
 PI US 2002165374 A1 20021107
 AI US 2001-984245 A1 20011029 (9)
 RLI Division of Ser. No. US 1998-154707, filed on 17 Sep 1998, PENDING
 Continuation-in-part of Ser. No. WO 1998-US5311, filed on 19 Mar 1998,

L5 ANSWER 112 OF 194 USPATFULL on STN
AN 2002:295092 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Birse, Charles E., North Potomac, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)
PI US 2002165137 A1 20021107
AI US 2001-860670 A1 20010521 (9)
RLI Continuation-in-part of Ser. No. WO 2001-US1346, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of ser. No. US 2001-764859, filed on 17 Jan 2001, PENDING

L5 ANSWER 113 OF 194 USPATFULL on STN
AN 2002:294650 USPATFULL
TI TM4SF receptor polynucleotides, polypeptides, and antibodies
IN Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, 20850 (U.S. corporation)
PI US 2002164693 A1 20021107
AI US 2001-972970 A1 20011010 (9)
RLI Continuation-in-part of Ser. No. WO 2001-US11130, filed on 5 Apr 2001, UNKNOWN
PRAI US 2000-195336P 20000410 (60)
DT Utility
FS APPLICATION
LN.CNT 11940
INCL INCLM: 435/069.100
INCLS: 435/325.000; 435/320.100; 435/006.000; 435/007.100; 530/350.000; 536/023.500; 530/388.220
NCL NCLM: 435/069.100
NCLS: 435/325.000; 435/320.100; 435/006.000; 435/007.100; 530/350.000; 536/023.500; 530/388.220
IC [7]
ICM: C12Q001-68
ICS: G01N033-53; C07H021-04; C12P021-02; C12N005-06; C07K014-715; C07K016-28
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 114 OF 194 USPATFULL on STN
AN 2002:294649 USPATFULL
TI Immune system-related polynucleotides, polypeptides, and antibodies
IN Ni, Jian, Germantown, MD, UNITED STATES
Hilbert, David, Bethesda, MD, UNITED STATES
Kenny, Joseph J., Damascus, MD, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Choi, Gil H., Rockville, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Gruber, Joachim R., Dallas, TX, UNITED STATES
Endress, Gregory A., Florence, MA, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2002164692 A1 20021107
AI US 2001-949842 A1 20010912 (9)
RLI Continuation-in-part of Ser. No. WO 2001-US7260, filed on 7 Mar 2001,

L5 ANSWER 115 OF 194 USPATFULL on STN
AN 2002:294642 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES

L5 ANSWER 116 OF 194 USPATFULL on STN
AN 2002:294626 USPATFULL
TI Secreted protein HRGDF73
IN Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Fischer, Carrie L., Burke, VA, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Carter, Kenneth C., North Potomac, MD, UNITED STATES

Bednarik, Daniel P., Columbia, MD, UNITED STATES
 Endress, Gregory A., Potomac, MD, UNITED STATES
 Yu, Guo-Liang, Berkeley, CA, UNITED STATES
 Ni, Jian, Rockville, MD, UNITED STATES
 Feng, Ping, Gaithersburg, MD, UNITED STATES
 Young, Paul E., Gaithersburg, MD, UNITED STATES
 Greene, John M., Gaithersburg, MD, UNITED STATES
 Ferrie, Ann M., Tewksbury, MA, UNITED STATES
 Duan, Roxanne, Bethesda, MD, UNITED STATES
 Hu, Jing-Shan, Sunnyvale, CA, UNITED STATES
 Florence, Kimberly A., Rockville, MD, UNITED STATES
 Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
 Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
 Brewer, Laurie A., St. Paul, MN, UNITED STATES
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES
 PI US 2002164669 A1 20021107
 AI US 2001-981876 A1 20011019 (9)
 RLI Division of Ser. No. US 2000-621011, filed on 20 Jul 2000, PENDING

L5 ANSWER 117 OF 194 USPATFULL on STN
 AN 2002:291062 USPATFULL
 TI Secreted protein HNFGF20
 IN Komatsoulis, George, Silver Spring, MD, United States
 Rosen, Craig A., Laytonsville, MD, United States
 Ruben, Steven M., Olney, MD, United States
 Duan, Roxanne D., Bethesda, MD, United States
 Moore, Paul A., Germantown, MD, United States
 Shi, Yanggu, Gaithersburg, MD, United States
 LaFleur, David W., Washington, DC, United States
 Wei, Ying-Fei, Berkeley, CA, United States
 Ni, Jian, Rockville, MD, United States
 Florence, Kimberly A., Rockville, MD, United States
 Young, Paul, Gaithersburg, MD, United States
 Brewer, Laurie A., St. Paul, MN, United States
 Soppet, Daniel R., Centreville, VA, United States
 Endress, Gregory A., Potomac, MD, United States
 Ebner, Reinhard, Gaithersburg, MD, United States
 Olsen, Henrik, Gaithersburg, MD, United States
 Mucenski, Michael, Cincinnati, OH, United States
 PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S.
 corporation)
 PI US 6476195 B1 20021105
 AI US 2000-489847 20000124 (9)
 RLI Continuation-in-part of Ser. No. WO 1999-US17130, filed on 29 Jul 1999

L5 ANSWER 118 OF 194 USPATFULL on STN
 AN 2002:290742 USPATFULL
 TI 94 Human Secreted Proteins
 IN Ruben, Steven M., Olney, MD, United States
 Ni, Jian, Rockville, MD, United States
 Rosen, Craig A., Laytonsville, MD, United States
 Wei, Ying-Fei, Berkeley, CA, United States
 Young, Paul, Gaithersburg, MD, United States
 Florence, Kimberly, Rockville, MD, United States
 Soppet, Daniel R., Centreville, VA, United States
 Brewer, Laurie A., St. Paul, MN, United States
 Endress, Gregory A., Potomac, MD, United States
 Carter, Kenneth C., Potomac, MD, United States
 Mucenski, Michael, Cincinnati, OH, United States
 Ebner, Reinhard, Gaithersburg, MD, United States
 LaFleur, David W., Washington, DC, United States
 Olsen, Henrik, Gaithersburg, MD, United States
 Shi, Yanggu, Gaithersburg, MD, United States
 Moore, Paul A., Germantown, MD, United States
 Komatsoulis, George, Silver Spring, MD, United States
 PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S.
 corporation)
 PI US 6475753 B1 20021105
 AI US 1999-461325 19991214 (9)
 RLI Continuation-in-part of Ser. No. WO 1999-US13418, filed on 15 Jun 1999

L5 ANSWER 119 OF 194 USPATFULL on STN
 AN 2002:288336 USPATFULL
 TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002161208 A1 20021031
AI US 2001-764884 A1 20010117 (9)
PRAI US 2000-179065P 20000131 (60)
DT Utility
FS APPLICATION
LN.CNT 18396
INCL INCLM: 536/023.100
NCL NCLM: 536/023.100
IC [7]
ICM: C07H021-02
ICS: C07H021-04

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 120 OF 194 USPATFULL on STN
AN 2002:287630 USPATFULL
TI Serine/threonine phosphatase polynucleotides, polypeptides, and antibodies
IN Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES

L5 ANSWER 121 OF 194 USPATFULL on STN
AN 2002:287628 USPATFULL
TI Human Serpin polynucleotides, polypeptides, and antibodies
IN Ni, Jian, Germantown, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
PI US 2002160491 A1 20021031
AI US 2001-912628 A1 20010726 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US5082, filed on 29 Feb 2000,
UNKNOWN Continuation-in-part of Ser. No. WO 2001-US2484, filed on 26 Jan
2001, UNKNOWN
PRAI US 2000-178769P 20000128 (60)
DT Utility
FS APPLICATION
LN.CNT 12380
INCL INCLM: 435/226.000
INCLS: 435/069.100; 435/325.000; 435/320.100; 536/023.200
NCL NCLM: 435/226.000
NCLS: 435/069.100; 435/325.000; 435/320.100; 536/023.200
IC [7]
ICM: C12N009-64
ICS: C07H021-04; C12P021-02; C12N005-06

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 122 OF 194 USPATFULL on STN
AN 2002:280103 USPATFULL
TI Calcium channel polynucleotides, polypeptides, and antibodies
IN Ruben, Steven M., Olney, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)
PI US 2002155539 A1 20021024
AI US 2002-50786 A1 20020118 (10)
RLI Continuation of Ser. No. US 2001-774028, filed on 31 Jan 2001, PENDING
Continuation-in-part of Ser. No. WO 2000-US20392, filed on 27 Jul 2000,
UNKNOWN
PRAI US 1999-145958P 19990728 (60)
US 1999-149446P 19990818 (60)
US 2000-189064P 20000314 (60)
DT Utility
FS APPLICATION
LN.CNT 11310
INCL INCLM: 435/069.100
INCLS: 435/183.000; 435/325.000; 435/320.100; 435/007.100; 530/350.000;
536/023.200
NCL NCLM: 435/069.100
NCLS: 435/183.000; 435/325.000; 435/320.100; 435/007.100; 530/350.000;
536/023.200
IC [7]
ICM: G01N033-53
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06; C07K014-435

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 123 OF 194 USPATFULL on STN
AN 2002:273351 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002151479 A1 20021017
AI US 2001-764873 A1 20010117 (9)

L5 ANSWER 124 OF 194 USPATFULL on STN
AN 2002:272888 USPATFULL
TI Human polynucleotides, polypeptides, and antibodies
IN Ni, Jian, Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)
PI US 2002151009 A1 20021017
AI US 2001-939825 A1 20010828 (9)
RLI Continuation-in-part of Ser. No. WO 2001-US5498, filed on 22 Feb 2001, UNKNOWN
PRAI US 2000-184664P 20000224 (60)
US 2000-189874P 20000316 (60)
DT Utility
FS APPLICATION
LN.CNT 14831
INCL INCLM: 435/183.000
INCLS: 435/006.000; 435/069.100; 435/325.000; 435/320.100; 536/023.200
NCL NCLM: 435/183.000
NCLS: 435/006.000; 435/069.100; 435/325.000; 435/320.100; 536/023.200
IC [7]
ICM: C12N009-00
ICS: C12Q001-68; C07H021-04; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 125 OF 194 USPATFULL on STN
AN 2002:266445 USPATFULL
TI Connective tissue growth factor homologs
IN Sheppard, Paul O., Granite Falls, WA, UNITED STATES
Jaspers, Stephen R., Edmonds, WA, UNITED STATES
Gao, Zeren, Redmond, WA, UNITED STATES
PA ZymoGenetics, Inc. (U.S. corporation)
PI US 2002147328 A1 20021010
AI US 2001-11859 A1 20011105 (10)
RLI Continuation of Ser. No. US 1999-253316, filed on 19 Feb 1999, PENDING
PRAI US 1998-75300P 19980220 (60)
DT Utility
FS APPLICATION
LN.CNT 3305
INCL INCLM: 536/023.500
INCLS: 530/399.000; 435/006.000; 435/069.100; 435/325.000; 435/320.100
NCL NCLM: 536/023.500
NCLS: 530/399.000; 435/006.000; 435/069.100; 435/325.000; 435/320.100
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C07K014-475; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 126 OF 194 USPATFULL on STN
AN 2002:266261 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES

L5 ANSWER 127 OF 194 USPATFULL on STN
AN 2002:243562 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002132753 A1 20020919
AI US 2001-764873 A1 20010117 (9)

L5 ANSWER 128 OF 194 USPATFULL on STN
AN 2002:230959 USPATFULL
TI Testis expressed polypeptide
IN Ruben, Steven M., Olney, MD, United States
Rosen, Craig A., Laytonsville, MD, United States
Zeng, Zhizhen, Gaithersburg, MD, United States
PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S.
corporation)
PI US 6448230 B1 20020910
AI US 1998-152060 19980911 (9)
RLI Continuation-in-part of Ser. No. WO 1998-US4858, filed on 12 Mar 1998

L5 ANSWER 129 OF 194 USPATFULL on STN
AN 2002:221965 USPATFULL
TI Steroid hormone receptor polynucleotides, polypeptides, and antibodies
IN Ni, Jian, Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2002120110 A1 20020829
AI US 2001-805204 A1 20010314 (9)

L5 ANSWER 130 OF 194 USPATFULL on STN
AN 2002:221958 USPATFULL
TI 17 human secreted proteins
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Komatsoulis, George A., Silver Spring, MD, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Birse, Charles E., North Potomac, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Wei, Ping, Brookeville, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Duan, D. Roxanne, Bethesda, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Choi, Gil H., Rockville, MD, UNITED STATES
Fiscella, Michele, Bethesda, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002120103 A1 20020829
AI US 2001-915582 A1 20010727 (9)

L5 ANSWER 131 OF 194 USPATFULL on STN
AN 2002:221777 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002119919 A1 20020829
AI US 2001-764855 A1 20010117 (9)
PRAI US 2000-179065P 20000131 (60)
DT Utility
FS APPLICATION
LN.CNT 19514
INCL INCLM: 514/012.000
INCLS: 536/023.100; 435/325.000; 435/320.100; 435/069.100; 435/183.000
NCL NCLM: 514/012.000
NCLS: 536/023.100; 435/325.000; 435/320.100; 435/069.100; 435/183.000
IC [7]
ICM: A61K038-17
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 132 OF 194 USPATFULL on STN
AN 2002:221379 USPATFULL
TI Trefoil domain-containing polynucleotides, polypeptides, and antibodies
IN Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES

AI US 2001-891171 A1 20010626 (9)

L5 ANSWER 133 OF 194 USPATFULL on STN
AN 2002:202233 USPATFULL
TI Secreted protein HPEAD48
IN Ruben, Steven M., Olney, MD, United States
Rosen, Craig A., Laytonsville, MD, United States
Olsen, Henrik S., Gaithersburg, MD, United States
PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S.
corporation)

L5 ANSWER 134 OF 194 USPATFULL on STN
AN 2002:198680 USPATFULL
TI Extracellular matrix polynucleotides, polypeptides, and antibodies
IN Fiscella, Michele, Bethesda, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2002106780 A1 20020808
AI US 2001-978249 A1 20011017 (9)
RLI Continuation-in-part of Ser. No. WO 2001-US11643, filed on 11 Apr 2001,
UNKNOWN
PRAI US 2000-198123P 20000418 (60)
DT Utility
FS APPLICATION
LN.CNT 13488
INCL INCLM: 435/226.000
INCLS: 435/069.100; 435/006.000; 435/325.000; 435/320.100; 536/023.200
NCL NCLM: 435/226.000
NCLS: 435/069.100; 435/006.000; 435/325.000; 435/320.100; 536/023.200
IC [7]
ICM: C12N009-64
ICS: C12Q001-68; C07H021-04; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 135 OF 194 USPATFULL on STN
AN 2002:198631 USPATFULL
TI Bcl-2-like polynucleotides, polypeptides, and antibodies
IN Ruben, Steven M., Olney, MD, UNITED STATES
Duan, D. Roxanne, Bethesda, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
PI US 2002106731 A1 20020808
AI US 2001-912599 A1 20010726 (9)
RLI Continuation-in-part of Ser. No. WO 2001-US3080, filed on 31 Jan 2001,
UNKNOWN
PRAI US 2000-179487P 20000201 (60)
US 2000-180697P 20000207 (60)
DT Utility
FS APPLICATION
LN.CNT 12354
INCL INCLM: 435/069.100
INCLS: 435/006.000; 435/007.230; 435/325.000; 435/320.100; 536/023.200
NCL NCLM: 435/069.100
NCLS: 435/006.000; 435/007.230; 435/325.000; 435/320.100; 536/023.200
IC [7]
ICM: C12P021-02
ICS: C12Q001-68; G01N033-574; C07H021-04
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 136 OF 194 USPATFULL on STN
AN 2002:191573 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002102638 A1 20020801
AI US 2001-764846 A1 20010117 (9)

L5 ANSWER 137 OF 194 USPATFULL on STN
AN 2002:179165 USPATFULL
TI Plasminogen-like polynucleotides, polypeptides, and antibodies
IN Ni, Jian, Germantown, MD, UNITED STATES

PI Ruben, Steven M., Olney, MD, UNITED STATES
AI US 2002094955 A1 20020718
AI US 2001-832197 A1 20010411 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US27253, filed on 4 Oct 2000,
UNKNOWN
PRAI US 1999-158044P 19991007 (60)
DT Utility
FS APPLICATION
LN.CNT 11038
INCL INCLM: 514/012.000
INCLS: 536/023.200; 435/320.100; 435/325.000; 435/183.000
NCL NCLM: 514/012.000
NCLS: 536/023.200; 435/320.100; 435/325.000; 435/183.000
IC [7]
ICM: A61K038-17
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 138 OF 194 USPATFULL on STN
AN 2002:179163 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002094953 A1 20020718
AI US 2001-764860 A1 20010117 (9)

L5 ANSWER 139 OF 194 USPATFULL on STN
AN 2002:175279 USPATFULL
TI 186 human secreted proteins
IN Ruben, Steven M., Olney, MD, United States
Rosen, Craig A., Laytonsville, MD, United States
Fischer, Carrie L., Burke, VA, United States
Soppet, Daniel P., Centreville, VA, United States
Carter, Kenneth C., North Potomac, MD, United States
Bednarik, Daniel R., Columbia, MD, United States
Endress, Gregory A., Potomac, MD, United States
Yu, Guo-Liang, Berkeley, CA, United States
Ni, Jian, Rockville, MD, United States
Feng, Ping, Gaithersburg, MD, United States
Young, Paul E., Gaithersburg, MD, United States
Greene, John M., Gaithersburg, MD, United States
Ferrie, Ann M., Tewksbury, MA, United States
Duan, Roxanne, Bethesda, MD, United States
Hu, Jing-Shan, Sunnyvale, CA, United States
Florence, Kimberly A., Rockville, MD, United States
Olsen, Henrik S., Gaithersburg, MD, United States
Ebner, Reinhard, Gaithersburg, MD, United States
Brewer, Laurie A., St. Paul, MN, United States
Moore, Paul A., Germantown, MD, United States
Shi, Yanggu, Gaithersburg, MD, United States
Lafleur, David W., Washington, DC, United States
Li, Yi, Sunnyvale, CA, United States
Zeng, Zhizhen, Lansdale, PA, United States
Kyaw, Hla, Frederick, MD, United States
PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S.
corporation)
PI US 6420526 B1 20020716
AI US 1998-149476 19980908 (9)
RLI Continuation-in-part of Ser. No. WO 1998-US4493, filed on 6 Mar 1998

L5 ANSWER 140 OF 194 USPATFULL on STN
AN 2002:171946 USPATFULL
TI Kunitz-type protease inhibitor polynucleotides, polypeptides, and
antibodies
IN Ruben, Steven M., Olney, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
PI US 2002090695 A1 20020711
AI US 2001-858718 A1 20010517 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US31917, filed on 21 Nov 2000,
UNKNOWN

L5 ANSWER 141 OF 194 USPATFULL on STN
AN 2002:171925 USPATFULL

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002090674 A1 20020711

L5 ANSWER 142 OF 194 USPATFULL on STN
AN 2002:171924 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002090673 A1 20020711
AI US 2001-764898 A1 20010117 (9)

L5 ANSWER 143 OF 194 USPATFULL on STN
AN 2002:171923 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002090672 A1 20020711
AI US 2001-764853 A1 20010117 (9)

L5 ANSWER 144 OF 194 USPATFULL on STN
AN 2002:171866 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002090615 A1 20020711
AI US 2001-764878 A1 20010117 (9)

L5 ANSWER 145 OF 194 USPATFULL on STN
AN 2002:165194 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002086823 A1 20020704
AI US 2001-764889 A1 20010117 (9)
PRAI US 2000-179065P 20000131 (60)

L5 ANSWER 146 OF 194 USPATFULL on STN
AN 2002:165193 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002086822 A1 20020704
US 2003139327 A9 20030724
AI US 2001-764886 A1 20010117 (9)

L5 ANSWER 147 OF 194 USPATFULL on STN
AN 2002:165192 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002086821 A1 20020704
US 2003125246 A9 20030703
AI US 2001-764881 A1 20010117 (9)
PRAI US 2000-179065P 20000131 (60)

DT Utility
FS APPLICATION

LN.CNT 27531

INCL INCLM: 514/012.000

INCLS: 536/023.100; 435/069.100; 435/183.000; 435/320.100; 435/325.000

NCL NCLM: 514/012.000

NCLS: 536/023.100; 435/069.100; 435/183.000; 435/320.100; 435/325.000

IC [7]

ICM: A61K038-17

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 148 OF 194 USPATFULL on STN
AN 2002:165191 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002086820 A1 20020704
US 2003092611 A9 20030515
AI US 2001-764862 A1 20010117 (9)
PRAI US 2000-179065P 20000131 (60)
DT Utility
FS APPLICATION
LN.CNT 17727
INCL INCLM: 514/012.000
INCLS: 536/023.100; 435/069.100; 435/320.100; 435/325.000; 435/183.000
NCL NCLM: 514/012.000
NCLS: 536/023.100; 435/069.100; 435/320.100; 435/325.000; 435/183.000
IC [7]
ICM: A61K038-17
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 149 OF 194 USPATFULL on STN
AN 2002:165182 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002086811 A1 20020704
US 2003171252 A9 20030911
AI US 2001-764861 A1 20010117 (9)

L5 ANSWER 150 OF 194 USPATFULL on STN
AN 2002:164735 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002086353 A1 20020704
AI US 2001-764856 A1 20010117 (9)

L5 ANSWER 151 OF 194 USPATFULL on STN
AN 2002:164712 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002086330 A1 20020704
AI US 2001-764893 A1 20010117 (9)

L5 ANSWER 152 OF 194 USPATFULL on STN
AN 2002:157008 USPATFULL
TI Four disulfide core domain-containing (FDCD) polynucleotides,
polypeptides, and antibodies
IN Ruben, Steven M., Olney, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
PI US 2002081607 A1 20020627
AI US 2001-874062 A1 20010606 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US32462, filed on 29 Nov 2000,
UNKNOWN
PRAI US 1999-168229P 19991201 (60)
DT Utility
FS APPLICATION
LN.CNT 11572
INCL INCLM: 435/006.000
INCLS: 435/007.100; 435/069.100; 435/325.000; 536/023.500; 530/350.000
NCL NCLM: 435/006.000
NCLS: 435/007.100; 435/069.100; 435/325.000; 536/023.500; 530/350.000
IC [7]
ICM: C12Q001-68
ICS: G01N033-53; C07H021-04; C07K014-435; C12N005-06

L5 ANSWER 153 OF 194 USPATFULL on STN
AN 2002:152776 USPATFULL
TI Cornichon-like protein
IN Ruben, Steven M., Olney, MD, United States
Rosen, Craig A., Laytonsville, MD, United States
Fan, Ping, Gaithersburg, MD, United States
Kyaw, Hla, Frederick, MD, United States
Wei, Ying-Fei, Berkeley, CA, United States
PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S.
corporation)
PI US 6410709 B1 20020625
AI US 1999-257179 19990225 (9)
DT Utility
FS GRANTED
LN.CNT 7538
INCL INCLM: 536/023.500
INCLS: 536/024.310; 435/006.000; 435/069.100; 435/070.100; 435/071.100;
435/091.200; 435/252.300; 435/320.100; 530/350.000
NCL NCLM: 536/023.500
NCLS: 435/006.000; 435/069.100; 435/070.100; 435/071.100; 435/091.200;
435/252.300; 435/320.100; 530/350.000; 536/024.310
IC [7]
ICM: C07H021-04
EXF 536/23.5; 536/24.31; 435/6; 435/69.1; 435/70.1; 435/71.1; 435/91.2;
435/252.3; 435/320.1; 530/350
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 154 OF 194 USPATFULL on STN
AN 2002:149306 USPATFULL
TI ADAM polynucleotides, polypeptides, and antibodies
IN Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2002077465 A1 20020620
AI US 2001-945676 A1 20010905 (9)
RLI Continuation-in-part of Ser. No. WO 2001-US5497, filed on 22 Feb 2001,
UNKNOWN
PRAI US 2000-187937P 20000303 (60)
DT Utility
FS APPLICATION
LN.CNT 12287
INCL INCLM: 536/023.200
INCLS: 435/320.100; 435/325.000; 435/069.100; 435/183.000
NCL NCLM: 536/023.200
NCLS: 435/320.100; 435/325.000; 435/069.100; 435/183.000
IC [7]
ICM: C07H021-04
ICS: C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 155 OF 194 USPATFULL on STN
AN 2002:149299 USPATFULL
TI Death domain-containing receptor polynucleotides, polypeptides, and
antibodies
IN Ni, Jian, Germantown, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2002077458 A1 20020620
AI US 2001-835788 A1 20010417 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US28666, filed on 17 Oct 2000,
UNKNOWN
PRAI US 1999-159585P 19991018 (60)
US 1999-167246P 19991124 (60)
DT Utility
FS APPLICATION
LN.CNT 14143
INCL INCLM: 530/350.000
INCLS: 536/023.500; 435/320.100; 435/325.000; 435/069.100; 530/324.000;
530/387.900; 514/044.000; 435/006.000; 435/007.100; 514/002.000
NCL NCLM: 530/350.000
NCLS: 536/023.500; 435/320.100; 435/325.000; 435/069.100; 530/324.000;
530/387.900; 514/044.000; 435/006.000; 435/007.100; 514/002.000
IC [7]
ICM: A01N037-18
ICS: A61K038-00; C12Q001-68; G01N033-53; C07H021-04; A61K031-70;

C12N015-74; C07K005-00; C07K007-00; C07K016-00; C07K017-00; C12N005-00;
C12N005-02; C07K001-00; C07K014-00; C12P021-08
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 156 OF 194 USPATFULL on STN
AN 2002:149131 USPATFULL
TI 28 human secreted proteins
IN Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Li, Yi, Sunnyvale, CA, UNITED STATES
Zeng, Zhizhen, Lansdale, PA, UNITED STATES
Kyaw, Hla, Frederick, MD, UNITED STATES
Fischer, Carrie L., Burke, VA, UNITED STATES
Li, Haodong, Gaithersburg, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Gentz, Reiner L., Rockville, MD, UNITED STATES
Wei, Ying-Fei, Berkeley, CA, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Tewksbury, MA, UNITED STATES
PI US 2002077287 A1 20020620
AI US 2001-852659 A1 20010511 (9)
RLI Continuation-in-part of Ser. No. US 1998-152060, filed on 11 sep 1998,
UNKNOWN
DT Utility
FS APPLICATION
LN.CNT 17779
INCL INCLM: 514/012.000
INCLS: 435/325.000; 435/320.100; 435/069.100; 435/183.000; 530/350.000;
536/023.200
NCL NCLM: 514/012.000
NCLS: 435/325.000; 435/320.100; 435/069.100; 435/183.000; 530/350.000;
536/023.200
IC [7]
ICM: A61K038-17
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06; C07K014-435
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 157 OF 194 USPATFULL on STN
AN 2002:149114 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002077270 A1 20020620
AI US 2001-764848 A1 20010117 (9)

L5 ANSWER 158 OF 194 USPATFULL on STN
AN 2002:148614 USPATFULL
TI 28 human secreted proteins
IN Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Li, Yi, Sunnyvale, CA, UNITED STATES
Zeng, Zhizhen, Lansdale, PA, UNITED STATES
Kyaw, Hla, Frederick, MD, UNITED STATES
Fischer, Carrie L., Burke, VA, UNITED STATES
Li, Haodong, Gaithersburg, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Gentz, Reiner L., Rockville, MD, UNITED STATES
Wei, Ying-Fei, Berkeley, CA, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Painted Post, NY, UNITED STATES
PI US 2002076756 A1 20020620
AI US 2001-853161 A1 20010511 (9)
PRAI US 2001-265583P 20010202 (60)
DT Utility
FS APPLICATION
LN.CNT 17788
INCL INCLM: 435/069.100
INCLS: 435/325.000; 435/320.100; 530/350.000; 536/023.500
NCL NCLM: 435/069.100

IC [7]
 ICM: C12P021-02
 ICS: C12N005-06; C07H021-04; C07K014-435
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 159 OF 194 USPATFULL on STN
 AN 2002:148564 USPATFULL
 TI 31 human secreted proteins
 IN Ruben, Steven M., Olney, MD, UNITED STATES
 Rosen, Craig A., Laytonsville, MD, UNITED STATES
 Duan, Roxanne D., Bethesda, MD, UNITED STATES
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES
 LaFleur, David W., Washington, DC, UNITED STATES
 Young, Paul E., Gaithersburg, MD, UNITED STATES
 Ni, Jian, Rockville, MD, UNITED STATES
 Komatsoulis, George, Silver Spring, MD, UNITED STATES
 Endress, Gregory A., Potomac, MD, UNITED STATES
 Soppet, Daniel R., Centreville, VA, UNITED STATES
 PI US 2002076705 A1 20020620
 AI US 2001-820893 A1 20010330 (9)
 RLI Continuation of Ser. No. US 2000-531119, filed on 20 Mar 2000, ABANDONED
 Continuation-in-part of Ser. No. WO 1999-US22012, filed on 22 Sep 1999,
 UNKNOWN
 PRAI US 1998-101546P 19980923 (60)
 US 1998-102895P 19981002 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 17043
 INCL INCLM: 435/006.000
 INCLS: 435/069.100; 435/325.000; 435/320.100; 536/023.200
 NCL NCLM: 435/006.000
 NCLS: 435/069.100; 435/325.000; 435/320.100; 536/023.200
 IC [7]
 ICM: C12Q001-68
 ICS: C07H021-04; C12N005-06; C12P021-02
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 160 OF 194 USPATFULL on STN
 AN 2002:141609 USPATFULL
 TI Transferrin polynucleotides, polypeptides, and antibodies
 IN Ruben, Steven M., Olney, MD, UNITED STATES
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES
 PI US 2002072596 A1 20020613
 AI US 2001-891126 A1 20010626 (9)
 RLI Continuation-in-part of Ser. No. WO 2000-US34769, filed on 21 Dec 2000,
 UNKNOWN
 PRAI US 1999-171595P 19991223 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 12048
 INCL INCLM: 536/023.500
 INCLS: 530/350.000; 435/069.100; 435/325.000; 435/320.100
 NCL NCLM: 536/023.500
 NCLS: 530/350.000; 435/069.100; 435/325.000; 435/320.100
 IC [7]
 ICM: C07H021-04
 ICS: C07K014-705; C12P021-02; C12N005-06
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 161 OF 194 USPATFULL on STN
 AN 2002:133469 USPATFULL
 TI Serine protease polynucleotides, polypeptides, and antibodies
 IN Shi, Yanggu, Gaithersburg, MD, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES
 Ni, Jian, Germantown, MD, UNITED STATES
 PI US 2002068320 A1 20020606
 AI US 2001-804156 A1 20010313 (9)
 PRAI US 2000-189025P 20000314 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 13119
 INCL INCLM: 435/069.100
 INCLS: 435/226.000; 435/325.000; 435/006.000; 435/007.100; 530/388.100;
 536/023.200
 NCL NCLM: 435/069.100

536/023.200

IC [7]
ICM: C12Q001-68
ICS: G01N033-53; C12P021-02; C12N005-06; C07H021-04; C12N009-64
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 162 OF 194 USPATFULL on STN
AN 2002:133468 USPATFULL
TI 32 human secreted proteins
IN Ni, Jian, Germantown, MD, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Birse, Charles E., North Potomac, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Fiscella, Michele, Bethesda, MD, UNITED STATES
Komatsoulis, George A., Silver Spring, MD, UNITED STATES
LaFleur, David W., Washington, DC, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Wei, Ping, Brookeville, MD, UNITED STATES
Florence, Kimberly A., Rockville, MD, UNITED STATES
PI US 2002068319 A1 20020606
US 6605592 B2 20030812
AI US 2001-800729 A1 20010308 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US26013, filed on 22 Sep 2000,
UNKNOWN
PRAI US 1999-155709P 19990924 (60)
DT Utility
FS APPLICATION
LN.CNT 36956
INCL INCLM: 435/069.100
INCLS: 435/007.100; 435/325.000; 435/183.000; 536/023.500; 530/388.100
NCL NCLM: 514/002.000
NCLS: 530/350.000; 514/008.000; 514/012.000; 435/069.100; 435/071.100;
435/071.200; 435/471.000; 435/325.000; 435/252.300; 435/254.110;
435/320.100

IC [7]
ICM: C12P021-02
ICS: C12N005-06; G01N033-53; C07H021-04; C12N009-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 163 OF 194 USPATFULL on STN
AN 2002:126703 USPATFULL
TI Immunoglobulin superfamily polynucleotides, polypeptides, and antibodies
IN Young, Paul E., Gaithersburg, MD, UNITED STATES
Ni, Jain, Rockville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
PI US 2002065220 A1 20020530
AI US 2001-799514 A1 20010307 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US23662, filed on 29 Aug 2000,
UNKNOWN
PRAI US 1999-152248P 19990903 (60)
DT Utility
FS APPLICATION
LN.CNT 12437
INCL INCLM: 514/012.000
INCLS: 536/023.100; 435/069.100; 435/325.000; 435/320.100
NCL NCLM: 514/012.000
NCLS: 536/023.100; 435/069.100; 435/325.000; 435/320.100

IC [7]
ICM: A61K038-17
ICS: C07H021-04; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 164 OF 194 USPATFULL on STN
AN 2002:126332 USPATFULL
TI Human protein tyrosine phosphatase polynucleotides, polypeptides, and
antibodies
IN Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2002064844 A1 20020530

RLI Continuation-in-part of Ser. No. WO 2001-US1563, filed on 17 Jan 2001,
UNKNOWN
PRAI US 2000-176306P 20000118 (60)
DT Utility
FS APPLICATION
LN.CNT 12129
INCL INCLM: 435/183.000
INCLS: 435/006.000; 435/069.100; 435/325.000; 435/320.100; 536/023.200
NCL NCLM: 435/183.000
NCLS: 435/006.000; 435/069.100; 435/325.000; 435/320.100; 536/023.200
IC [7]
ICM: C12N009-00
ICS: C12Q001-68; C07H021-04; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 165 OF 194 USPATFULL on STN
AN 2002:126314 USPATFULL
TI Cytokine receptor-like polynucleotides, polypeptides, and antibodies
IN Ruben, Steven M., Olney, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
PI US 2002064826 A1 20020530
AI US 2001-874069 A1 20010606 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US32525, filed on 30 Nov 2000,
UNKNOWN
PRAI US 1999-168621P 19991203 (60)
DT Utility
FS APPLICATION
LN.CNT 12089
INCL INCLM: 435/069.100
INCLS: 435/325.000; 435/320.100; 536/023.100
NCL NCLM: 435/069.100
NCLS: 435/325.000; 435/320.100; 536/023.100
IC [7]
ICM: C07H021-02
ICS: C07H021-04; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 166 OF 194 USPATFULL on STN
AN 2002:126306 USPATFULL
TI 52 human secreted proteins
IN Ni, Jian, Germantown, MD, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Birse, Charles E., North Potomac, MD, UNITED STATES
Fiscella, Michele, Bethesda, MD, UNITED STATES
Komatsoulis, George A., Silver Spring, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Duan, D. Roxanne, Bethesda, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
LaFleur, David W., Washington, DC, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Wei, Ping, Brookeville, MD, UNITED STATES
Florence, Kimberly A., Rockville, MD, UNITED STATES
PI US 2002064818 A1 20020530
AI US 2001-789561 A1 20010222 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US24008, filed on 31 Aug 2000,
UNKNOWN
PRAI US 1999-152317P 19990903 (60)
US 1999-152315P 19990903 (60)
DT Utility
FS APPLICATION
LN.CNT 24623
INCL INCLM: 435/069.100
INCLS: 435/006.000; 435/007.100; 536/023.100; 435/325.000
NCL NCLM: 435/069.100
NCLS: 435/006.000; 435/007.100; 536/023.100; 435/325.000
IC [7]
ICM: C12P021-02
ICS: C12Q001-68; G01N033-53; C07H021-04; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 167 OF 194 USPATFULL on STN
AN 2002:122765 USPATFULL
TI Nucleic acids encoding connective tissue growth factor homologs
IN Sheppard, Paul O., Redmond, WA, United States
Jaspers, Stephen R., Edmonds, WA, United States
Gao, Zeren, Redmond, WA, United States
PA ZymoGenetics, Inc., Seattle, WA, United States (U.S. corporation)
PI US 6395890 B1 20020528
AI US 1999-253316 19990219 (9)
PRAI US 1998-75300P 19980220 (60)
DT Utility
FS GRANTED
LN.CNT 2824
INCL INCLM: 536/023.500
INCLS: 536/024.310
NCL NCLM: 536/023.500
NCLS: 536/024.310
IC [7]
ICM: C07H021-04
EXF 536/23.5; 536/23.4; 536/24.31; 435/69.1; 435/69.4; 435/69.8; 435/325;
435/252.3; 435/320.1; 530/351; 530/399
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 168 OF 194 USPATFULL on STN
AN 2002:119846 USPATFULL
TI Human G-protein Chemokine receptor (CCR5) HDGMR10
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Roschke, Viktor, Rockville, MD, UNITED STATES
Li, Yi, Sunnyvale, CA, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2002061834 A1 20020523
AI US 2001-779880 A1 20010209 (9)
PRAI US 2000-181258P 20000209 (60)
US 2000-187999P 20000309 (60)
US 2000-234336P 20000922 (60)
DT Utility
FS APPLICATION
LN.CNT 18667
INCL INCLM: 514/001.000
INCLS: 530/350.000; 536/023.500; 435/325.000; 435/320.100; 435/069.100
NCL NCLM: 514/001.000
NCLS: 530/350.000; 536/023.500; 435/325.000; 435/320.100; 435/069.100
IC [7]
ICM: A61K031-00
ICS: C07H021-04; C07K014-705; C12N005-06; C12P021-02
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 169 OF 194 USPATFULL on STN
AN 2002:119538 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002061521 A1 20020523
AI US 2001-764869 A1 20010117 (9)
PRAI US 2000-179065P 20000131 (60)
DT Utility
FS APPLICATION
LN.CNT 27967
INCL INCLM: 435/006.000
INCLS: 435/069.100; 514/002.000; 536/023.100; 530/300.000
NCL NCLM: 435/006.000
NCLS: 435/069.100; 514/002.000; 536/023.100; 530/300.000
IC [7]
ICM: C12Q001-68
ICS: C12P021-06; A01N037-18; C07H021-00; A61K038-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 170 OF 194 USPATFULL on STN
AN 2002:112572 USPATFULL
TI 20 Human secreted proteins
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Yu, Guo-Liang, San Mateo, CA, UNITED STATES
Ni, Jian, Rockville, MD, UNITED STATES

PI US 2002058307 A1 20020516
 AI US 2001-814122 A1 20010322 (9)
 RLI Continuation of Ser. No. US 2000-577145, filed on 24 May 2000, ABANDONED
 Continuation of Ser. No. US 1998-166780, filed on 6 Oct 1998, ABANDONED
 Continuation-in-part of Ser. No. WO 1998-US9906801, filed on 7 Apr 1998,
 UNKNOWN
 PRAI US 1997-42726P 19970408 (60)
 US
 US
 US
 US
 US
 US
 DT Utility
 FS APPLICATION
 LN.CNT 6237
 INCL INCLM: 435/069.100
 INCLS: 435/006.000; 435/007.100; 435/183.000; 435/325.000; 435/320.100;
 536/023.200
 NCL NCLM: 435/069.100
 NCLS: 435/006.000; 435/007.100; 435/183.000; 435/325.000; 435/320.100;
 536/023.200
 IC [7]
 ICM: C12Q001-68
 ICS: G01N033-53; C12N009-00; C12P021-02; C07H021-04
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 171 OF 194 USPATFULL on STN
 AN 2002:105937 USPATFULL
 TI Major intrinsic protein (MIP)-like polynucleotides, polypeptides, and
 antibodies
 IN Ruben, Steven A., Olney, MD, UNITED STATES
 Ni, Jian, Germantown, MD, UNITED STATES
 PA Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)
 PI US 2002055142 A1 20020509
 AI US 2001-862419 A1 20010523 (9)
 RLI Continuation-in-part of Ser. No. WO 2000-US31919, filed on 21 Nov 2000,
 UNKNOWN
 PRAI US 1999-167247P 19991124 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 11747
 INCL INCLM: 435/069.100
 INCLS: 536/023.500; 435/320.100; 435/325.000; 530/324.000; 530/387.900;
 435/006.000; 435/007.200
 NCL NCLM: 435/069.100
 NCLS: 536/023.500; 435/320.100; 435/325.000; 530/324.000; 530/387.900;
 435/006.000; 435/007.200
 IC [7]
 ICM: C12Q001-68
 ICS: G01N033-53; G01N033-567; C07H021-04; C12P021-06; C12N015-00;
 C12N015-09; C12N015-63; C12N015-70; C12N015-74; C07K005-00; C07K007-00;
 C07K016-00; C07K017-00; A61K038-00; C12N005-00; C12N005-02; C12P021-08
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 172 OF 194 USPATFULL on STN
 AN 2002:99407 USPATFULL
 TI Nucleic acids, proteins and antibodies
 IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES
 PI US 2002052308 A1 20020502
 AI US 2001-925301 A1 20010810 (9)
 RLI Continuation of Ser. No. WO 2000-US5882, filed on 8 Mar 2000, UNKNOWN
 PRAI US 1999-124270P 19990312 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 30577
 INCL INCLM: 514/001.000
 INCLS: 435/006.000; 435/007.100; 435/069.100; 435/183.000; 536/023.100;
 530/350.000; 435/320.100; 435/325.000
 NCL NCLM: 514/001.000
 NCLS: 435/006.000; 435/007.100; 435/069.100; 435/183.000; 536/023.100;
 530/350.000; 435/320.100; 435/325.000
 IC [7]

ICS: C12Q001-68; G01N033-53; C07H021-04; C12N009-00; C07K014-435;
C12N005-06

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 173 OF 194 USPATFULL on STN
AN 2002:99088 USPATFULL
TI Kringle domain-containing polynucleotides, polypeptides, and antibodies
IN Ni, Jian, Germantown, MD, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2002051984 A1 20020502
AI US 2001-848288 A1 20010504 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US30664, filed on 8 Nov 2000,
UNKNOWN
PRAI US 1999-164853P 19991112 (60)
DT Utility
FS APPLICATION
LN.CNT 12041
INCL INCLM: 435/006.000
INCLS: 536/023.100; 435/007.100; 435/069.100; 514/044.000; 514/012.000;
435/183.000; 530/350.000
NCL NCLM: 435/006.000
NCLS: 536/023.100; 435/007.100; 435/069.100; 514/044.000; 514/012.000;
435/183.000; 530/350.000
IC [7]
ICM: A61K048-00
ICS: C07K014-435; A61K038-17; C12P021-02; C12Q001-68; G01N033-53;
C12N009-00

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 174 OF 194 USPATFULL on STN
AN 2002:92268 USPATFULL
TI Human G-protein Chemokine Receptor HDGMR10
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Roschke, Viktor, Rockville, MD, UNITED STATES
Li, Yi, Sunnyvale, CA, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2002048786 A1 20020425
AI US 2001-779879 A1 20010209 (9)
PRAI US 2000-181258P 20000209 (60)
US 2000-187999P 20000309 (60)
US 2000-234336P 20000922 (60)
DT Utility
FS APPLICATION
LN.CNT 17969
INCL INCLM: 435/069.100
INCLS: 536/023.500; 424/130.100; 514/012.000; 435/007.200; 435/325.000
NCL NCLM: 435/069.100
NCLS: 536/023.500; 424/130.100; 514/012.000; 435/007.200; 435/325.000
IC [7]
ICM: G01N033-53
ICS: G01N033-567; A61K038-00; C07H021-04; C12P021-06; A61K039-395;
C12N005-02; C12N005-00

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 175 OF 194 USPATFULL on STN
AN 2002:85190 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Rubin, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002045230 A1 20020418
AI US 2001-908711 A1 20010720 (9)
RLI Continuation-in-part of Ser. No. WO 2001-US1360, filed on 17 Jan 2001,
UNKNOWN Continuation-in-part of Ser. No. US 2001-764867, filed on 17 Jan
2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1344, filed on
17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764892,
filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO
2001-US1345, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser.
No. US 2001-764888, filed on 17 Jan 2001, UNKNOWN Continuation-in-part
of Ser. No. WO 2001-US1329, filed on 17 Jan 2001, UNKNOWN
Continuation-in-part of Ser. No. US 2001-764905, filed on 17 Jan 2001,
UNKNOWN Continuation-in-part of Ser. No. US 2001-764891, filed on 17 Jan
2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1339, filed on
17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764869,

2001-US1340, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764874, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1334, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764898, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1320, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764853, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764902, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1239, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764870, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1348, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764882, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1347, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764896, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1307, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764864, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1341, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764856, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1336, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764868, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1312, filed on 17 Jan 2001, UNKNOWN

L5 ANSWER 176 OF 194 USPATFULL on STN
AN 2002:84902 USPATFULL
TI Nucleic acids, proteins and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2002044941 A1 20020418
US 2003064072 A9 20030403
AI US 2001-925302 A1 20010810 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US5918, filed on 8 Mar 2000,
UNKNOWN
PRAI US 1999-124270P 19990312 (60)
DT Utility
FS APPLICATION
LN.CNT 21121
INCL INCLM: 424/184.100
INCLS: 435/069.100; 435/325.000; 435/320.100; 435/006.000; 435/007.100;
435/183.000; 514/044.000; 536/023.100
NCL NCLM: 424/184.100
NCLS: 435/069.100; 435/325.000; 435/320.100; 435/006.000; 435/007.100;
435/183.000; 514/044.000; 536/023.100
IC [7]
ICM: A61K039-00
ICS: A61K048-00; C12Q001-68; G01N033-53; C07H021-04; C12N009-00;
C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 177 OF 194 USPATFULL on STN
AN 2002:78729 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002042386 A1 20020411
AI US 2001-764870 A1 20010117 (9)

L5 ANSWER 178 OF 194 USPATFULL on STN
AN 2002:78715 USPATFULL
TI Stanniocalcin polynucleotides, polypeptides, and methods based thereon
IN Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Zhang, Ke-Zhou, Brussels, BELGIUM
Lindsberg, Perttu, Helsinki, FINLAND
Tatlisumak, Turgut, Helsinki, FINLAND
Kaste, Markku, Vantaa, FINLAND
Andersson, Leif C., Helsinki, FINLAND
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S.
corporation)
PI US 2002042372 A1 20020411
AI US 2001-840989 A1 20010425 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US29432, filed on 26 Oct 2000,

PRAI US 1999-161740P 19991027 (60)
DT Utility
FS APPLICATION
LN.CNT 9559
INCL INCLM: 514/012.000
INCLS: 424/145.100; 530/388.240
NCL NCLM: 514/012.000
NCLS: 424/145.100; 530/388.240
IC [7]
ICM: A61K038-22
ICS: A61K039-395; C07K016-26
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 179 OF 194 USPATFULL on STN
AN 2002:78442 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002042096 A1 20020411
AI US 2001-764887 A1 20010117 (9)

L5 ANSWER 180 OF 194 USPATFULL on STN
AN 2002:66896 USPATFULL
TI ABC transport polynucleotides, polypeptides, and antibodies
IN Ruben, Steven M., Olney, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
PI US 2002037549 A1 20020328
AI US 2001-767870 A1 20010124 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US19736, filed on 20 Jul 2000,
UNKNOWN
PRAI US 1999-145215P 19990723 (60)
US 1999-149445P 19990818 (60)
US 1999-164730P 19991112 (60)
DT Utility
FS APPLICATION
LN.CNT 12219
INCL INCLM: 435/069.100
INCLS: 435/006.000; 435/007.100; 435/183.000; 435/325.000; 536/023.100
NCL NCLM: 435/069.100
NCLS: 435/006.000; 435/007.100; 435/183.000; 435/325.000; 536/023.100
IC [7]
ICM: C12Q001-68
ICS: G01N033-53; C07H021-04; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 181 OF 194 USPATFULL on STN
AN 2002:66870 USPATFULL
TI IL-6-like polynucleotides, polypeptides, and antibodies
IN Ruben, Steven M., Olney, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
PI US 2002037523 A1 20020328
AI US 2001-875016 A1 20010607 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US33134, filed on 7 Dec 2000,
UNKNOWN
PRAI US 1999-169838P 19991209 (60)
DT Utility
FS APPLICATION
LN.CNT 11587
INCL INCLM: 435/006.000
INCLS: 536/023.500; 435/007.100; 435/069.520; 435/320.100; 435/325.000;
530/351.000; 424/085.200
NCL NCLM: 435/006.000
NCLS: 536/023.500; 435/007.100; 435/069.520; 435/320.100; 435/325.000;
530/351.000; 424/085.200
IC [7]
ICM: C12Q001-68
ICS: G01N033-53; C07H021-04; C12P021-04; A61K038-20; C12N005-06;
C07K014-54
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 182 OF 194 USPATFULL on STN
AN 2002:48258 USPATFULL

IN Ruben, Steven M., Olney, MD, UNITED STATES
 Birse, Charles E., North Potomac, MD, UNITED STATES
 Duan, Roxanne D., Bethesda, MD, UNITED STATES
 Soppet, Daniel R., Centreville, VA, UNITED STATES
 Rosen, Craig A., Laytonsville, MD, UNITED STATES
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES
 LaFleur, David W., Washington, DC, UNITED STATES
 Olsen, Henrik, Gaithersburg, MD, UNITED STATES
 Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
 Florence, Kimberly A., Rockville, MD, UNITED STATES
 Ni, Jian, Rockville, MD, UNITED STATES
 Young, Paul, Gaithersburg, MD, UNITED STATES
 PI US 2002028449 A1 20020307
 AI US 2000-726643 A1 20001201 (9)
 RLI Continuation-in-part of Ser. No. WO 2000-US15187, filed on 2 Jun 2000,
 UNKNOWN
 PRAI US 1999-137725P 19990607 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 20287
 INCL INCLM: 435/006.000
 INCLS: 536/023.100; 435/069.100; 530/388.100; 435/183.000
 NCL NCLM: 435/006.000
 NCLS: 536/023.100; 435/069.100; 530/388.100; 435/183.000
 IC [7]
 ICM: C12Q001-68
 ICS: C07H021-02; C07H021-04; C12P021-02; C12N009-00
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 183 OF 194 USPATFULL on STN
 AN 2002:43671 USPATFULL
 TI 49 human secreted proteins
 IN Moore, Paul A., Germantown, MD, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES
 Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES
 Rosen, Craig A., Laytonsville, MD, UNITED STATES
 Florence, Kimberly A., Rockville, MD, UNITED STATES
 Soppet, Daniel R., Centreville, VA, UNITED STATES
 LaFleur, David W., Washington, DC, UNITED STATES
 Endress, Gregory A., Potomac, MD, UNITED STATES
 Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
 Komatsoulis, George, Silver Spring, MD, UNITED STATES
 Duan, Roxanne D., Bethesda, MD, UNITED STATES
 PI US 2002026040 A1 20020228
 US 6566325 B2 20030520
 AI US 2001-904615 A1 20010716 (9)
 RLI Continuation of Ser. No. US 2000-739254, filed on 19 Dec 2000, PENDING
 Continuation of Ser. No. US 2000-511554, filed on 23 Feb 2000, ABANDONED
 Continuation-in-part of Ser. No. WO 1999-US19330, filed on 24 Aug 1999,
 UNKNOWN
 PRAI US 1998-97917P 19980825 (60)
 US 1998-98634P 19980831 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 19401
 INCL INCLM: 536/023.100
 INCLS: 435/006.000; 530/300.000
 NCL NCLM: 514/002.000
 NCLS: 530/300.000; 530/350.000
 IC [7]
 ICM: C12Q001-68
 ICS: C07H021-02; C07H021-04; C07K002-00; C07K004-00; C07K005-00;
 C07K007-00; C07K014-00; C07K016-00; C07K017-00; A61K038-00
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 184 OF 194 USPATFULL on STN
 AN 2002:22131 USPATFULL
 TI 18 Human secreted proteins
 IN Shi, Yanggu, Gaithersburg, MD, UNITED STATES
 Young, Paul E., Gaithersburg, MD, UNITED STATES
 Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
 Soppet, Daniel R., Centreville, VA, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES
 PI US 2002012966 A1 20020131

RLI Continuation-in-part of Ser. No. WO 2000-US22350, filed on 15 Aug 2000,
UNKNOWN
PRAI US 1999-148759P 19990816 (60)
DT Utility
FS APPLICATION
LN.CNT 18157
INCL INCLM: 435/069.100
INCLS: 435/325.000; 435/183.000; 530/350.000; 536/023.100
NCL NCLM: 435/069.100
NCLS: 435/325.000; 435/183.000; 530/350.000; 536/023.100
IC [7]
ICM: C12P021-02
ICS: C07H021-04; C12N009-00; C12N005-08
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 185 OF 194 USPATFULL on STN
AN 2002:19393 USPATFULL
TI Secreted protein HLHFP03
IN Rosen, Craig A., Laytonsville, MD, United States
Ruben, Steven M., Olney, MD, United States
Olsen, Henrik S., Gaithersburg, MD, United States
Ebner, Reinhard, Gaithersburg, MD, United States
PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S.
corporation)
PI US 6342581 B1 20020129
AI US 1999-227357 19990108 (9)
RLI Continuation-in-part of Ser. No. WO 1998-US13684, filed on 7 Jul 1998

L5 ANSWER 186 OF 194 USPATFULL on STN
AN 2002:12261 USPATFULL
TI Uteroglobin-like polynucleotides, polypeptides, and antibodies
IN Ni, Jian, Germantown, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2002006640 A1 20020117
AI US 2001-846258 A1 20010502 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US30326, filed on 3 Nov 2000,
UNKNOWN
PRAI US 1999-163395P 19991104 (60)
DT Utility
FS APPLICATION
LN.CNT 12076
INCL INCLM: 435/069.100
INCLS: 435/325.000; 435/006.000; 435/007.100; 514/044.000; 530/350.000;
536/023.500
NCL NCLM: 435/069.100
NCLS: 435/325.000; 435/006.000; 435/007.100; 514/044.000; 530/350.000;
536/023.500
IC [7]
ICM: C12P021-02
ICS: C12N005-06; A61K048-00; C07K014-72; C12Q001-68; G01N033-53;
C07H021-04
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 187 OF 194 USPATFULL on STN
AN 2002:8489 USPATFULL
TI Retinoid receptor interacting polynucleotides, polypeptides, and
antibodies
IN Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2002004489 A1 20020110
AI US 2001-788600 A1 20010221 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US22351, filed on 15 Aug 2000,
UNKNOWN
PRAI US 1999-148757P 19990816 (60)
US 2000-189026P 20000314 (60)
DT Utility
FS APPLICATION
LN.CNT 11257
INCL INCLM: 514/044.000
INCLS: 536/023.500; 530/350.000; 435/069.100; 435/325.000; 530/388.220
NCL NCLM: 514/044.000
NCLS: 536/023.500; 530/350.000; 435/069.100; 435/325.000; 530/388.220
IC [7]
ICM: A61K048-00
ICS: C07H021-04; C12P021-02; C12N005-06; C07K014-705; C07K016-28
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 188 OF 194 USPATFULL on STN
 AN 2001:155766 USPATFULL
 TI 49 human secreted proteins
 IN Moore, Paul A., Germantown, MD, United States
 Ruben, Steven M., Oley, MD, United States
 Olsen, Henrik S., Gaithersburg, MD, United States
 Shi, Yanggu, Gaithersburg, MD, United States
 Rosen, Craig A., Laytonsville, MD, United States
 Florence, Kimberly A., Rockville, MD, United States
 Soppet, Daniel R., Centreville, VA, United States
 Lafleur, David W., Washington, DC, United States
 Endress, Gregory A., Potomac, MD, United States
 Ebner, Reinhard, Gaithersburg, MD, United States
 Komatsoulis, George, Silver Spring, MD, United States
 Duan, Roxanne D., Bethesda, MD, United States
 PI US 2001021700 A1 20010913
 AI US 2000-739254 A1 20001219 (9)
 RLI Continuation of Ser. No. US 2000-511554, filed on 23 Feb 2000, ABANDONED
 Continuation-in-part of ser. No. WO 1999-US19330, filed on 24 Aug 1999,
 UNKNOWN
 PRAI US 1998-97917P 19980825 (60)
 US 1998-98634P 19980831 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 15462
 INCL INCLM: 514/044.000
 INCLS: 536/023.500; 530/350.000; 530/388.200; 435/320.100; 435/007.100;
 435/069.100; 435/069.700; 435/325.000; 514/012.000
 NCL NCLM: 514/044.000
 NCLS: 536/023.500; 530/350.000; 530/388.200; 435/320.100; 435/007.100;
 435/069.100; 435/069.700; 435/325.000; 514/012.000
 IC [7]
 ICM: A61K048-00
 ICS: G01N033-53; A61K038-16; C07H021-04
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 189 OF 194 USPATFULL on STN
 AN 2001:139604 USPATFULL
 TI 29 human secreted proteins
 IN Ruben, Steven M., Olney, MD, United States
 Rosen, Craig A., Laytonsville, MD, United States
 Fan, Ping, Gaithersburg, MD, United States
 Kyaw, Hla, Frederick, MD, United States
 Wei, Ying-Fei, Berkeley, CA, United States
 PI US 2001016647 A1 20010823
 AI US 2000-729835 A1 20001206 (9)
 RLI Division of Ser. No. US 1999-257179, filed on 25 Feb 1999, PENDING
 Continuation-in-part of Ser. No. WO 1998-US17709, filed on 27 Aug 1998,
 UNKNOWN
 PRAI US 1997-56270P 19970829 (60)
 US 1997-56271P 19970829 (60)
 US 1997-56247P 19970829 (60)
 US 1997-56073P 19970829 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 6098
 INCL INCLM: 536/023.100
 INCLS: 435/006.000; 435/007.100; 435/069.100; 530/300.000; 530/350.000;
 530/387.100; 514/002.000; 514/044.000
 NCL NCLM: 536/023.100
 NCLS: 435/006.000; 435/007.100; 435/069.100; 530/300.000; 530/350.000;
 530/387.100; 514/002.000; 514/044.000
 IC [7]
 ICM: C07H021-00
 ICS: C12Q001-68; G01N033-53; C12P021-06; A61K038-00; C07K001-00;
 C07K016-00; A01N043-04; A01N037-18; A01N061-00
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 190 OF 194 USPATFULL on STN
 AN 2001:128901 USPATFULL
 TI 36 human secreted proteins
 IN LaFleur, David W., Washington, DC, United States
 Soppet, Daniel R., Centreville, VA, United States
 Olsen, Henrik, Gaithersburg, MD, United States

Ni, Jian, Rockville, MD, United States
 Rosen, Craig A., Laytonsville, MD, United States
 Brewer, Laurie A., St. Paul, MN, United States
 Duan, Roxanne, Bethesda, MD, United States
 Ebner, Reinhard, Gaithersburg, MD, United States
 PI US 2001012889 A1 20010809
 AI US 2000-739907 A1 20001220 (9)
 RLI Continuation of Ser. No. US 1999-348457, filed on 7 Jul 1999, ABANDONED
 Continuation-in-part of Ser. No. WO 1999-US108, filed on 6 Jan 1999,
 UNKNOWN
 PRAI US 1998-70704P 19980107 (60)
 US 1998-70658P 19980107 (60)
 US 1998-70692P 19980107 (60)
 US 1998-70657P 19980107 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 10341
 INCL INCLM: 536/023.100
 INCLS: 530/300.000; 530/387.100; 435/006.000; 435/007.100; 435/325.000;
 435/069.100
 NCL NCLM: 536/023.100
 NCLS: 530/300.000; 530/387.100; 435/006.000; 435/007.100; 435/325.000;
 435/069.100
 IC [7]
 ICM: C07H021-00
 ICS: A61K038-00; C07K016-00; C12Q001-68; G01N033-53; C12P021-06;
 C12N005-00; C12N005-02
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 191 OF 194 USPATFULL on STN
 AN 2001:117147 USPATFULL
 TI Purification of molecules
 IN Fahrner, Robert Lee, San Francisco, CA, United States
 Reifsnnyder, David, El Cerrito, CA, United States
 PA Genentech, Inc., South San Francisco, CA, United States (U.S.
 corporation)
 PI US 6265542 B1 20010724
 AI US 1998-168548 19981008 (9)
 PRAI US 1997-63119P 19971024 (60)
 DT Utility
 FS GRANTED
 LN.CNT 1560
 INCL INCLM: 530/344.000
 INCLS: 530/412.000; 530/415.000; 530/416.000; 210/656.000
 NCL NCLM: 530/344.000
 NCLS: 210/656.000; 530/412.000; 530/415.000; 530/416.000
 IC [7]
 ICM: C07K001-14
 ICS: C07K001-16
 EXF 530/344; 530/412; 530/415; 530/416; 210/656
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 192 OF 194 USPATFULL on STN
 AN 2000:50539 USPATFULL
 TI Polynucleotides encoding human ADA2
 IN Moore, Paul A., Aberdeen, United Kingdom
 PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S.
 corporation)
 PI US 6054289 20000425
 AI US 1996-705771 19960830 (8)
 PRAI US 1995-2993P 19950830 (60)
 DT Utility
 FS Granted
 LN.CNT 2960
 INCL INCLM: 435/069.100
 INCLS: 530/350.000; 530/300.000; 536/023.100; 536/023.500; 435/320.100;
 435/325.000; 435/252.300; 435/254.110
 NCL NCLM: 435/069.100
 NCLS: 435/252.300; 435/254.110; 435/320.100; 435/325.000; 530/300.000;
 530/350.000; 536/023.100; 536/023.500
 IC [7]
 ICM: C12N015-12
 ICS: C12N015-10; C12N005-10; C07K014-47
 EXF 536/23.5; 536/23.1; 530/350; 530/300; 435/69.1; 435/320.1; 435/325;
 435/252.3; 435/254.11

L5 ANSWER 193 OF 194 USPATFULL on STN
 AN 97:40682 USPATFULL
 TI Method for integrative transformation of yeast using dispersed
 repetitive elements
 IN Shuster, Jeffrey R., Fairfield, CA, United States
 PA Chiron Corporation, Emeryville, CA, United States (U.S. corporation)
 PI US 5629203 19970513
 AI US 1994-346836 19941130 (8)
 RLI Continuation of Ser. No. US 1992-990352, filed on 15 Dec 1992, now
 abandoned which is a continuation of Ser. No. US 1990-556221, filed on
 20 Jul 1990, now abandoned
 DT Utility
 FS Granted
 LN.CNT 598
 INCL INCLM: 435/320.100
 INCLS: 435/006.000; 435/069.600; 435/172.300; 536/024.100; 536/024.200;
 935/028.000; 935/055.000; 935/068.000; 935/069.000
 NCL NCLM: 435/320.100
 NCLS: 435/006.000; 435/069.600; 435/477.000; 435/483.000; 536/024.100;
 536/024.200
 IC [6]
 ICM: C12N015-00
 ICS: C12N015-09; C12N015-63; C12N015-81
 EXF 536/24.1; 536/24.2; 435/69.6; 435/320.1; 435/6; 435/172.3; 935/68;
 935/69; 935/55; 935/28
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 194 OF 194 USPATFULL on STN
 AN 92:48993 USPATFULL
 TI Expression systems utilizing bacteriophage T7 promoters, gene sequences,
 and T7 RNA polymerase
 IN Reim, Richard L., Edison, NJ, United States
 Narula, Satwant K., West Caldwell, NJ, United States
 Ryan, Michael J., West Milford, NJ, United States
 Leibowitz, Paul J., Hackensack, NJ, United States
 PA Schering Corporation, Kenilworth, NJ, United States (U.S. corporation)
 PI US 5122457 19920616
 AI US 1989-423839 19891019 (7)
 DT Utility
 FS Granted
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=> s insulin AND human growth hormone AND fusion protein

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21 FILES SEARCHED...

29 FILES SEARCHED...

39 FILES SEARCHED...

48 FILES SEARCHED...

58 FILES SEARCHED...

L1 2965 INSULIN AND HUMAN GROWTH HORMONE AND FUSION PROTEIN

=> DUP REM L1

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L2 2856 DUP REM L1 (109 DUPLICATES REMOVED)

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11 FILES SEARCHED...
21 FILES SEARCHED...
36 FILES SEARCHED...
49 FILES SEARCHED...
59 FILES SEARCHED...
L3 564 L2 AND HUMAN INSULIN

=> S L3 AND hGH
42 FILES SEARCHED...
L4 93 L3 AND HGH

=> D L4 1-93

L4 ANSWER 1 OF 93 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAY42861 protein DGENE
TI New chimeric proteins containing ***human*** ***growth***
hormone fragment, used particularly for the production of
human ***insulin*** -
IN Gan Z
PA (TONG-N) TONGHUA GANTECH BIOTECHNOLOGY LTD.
PI WO 9950302 A1 19991007 46p
AI WO 1998-CN52 19980331
PRAI WO 1998-CN52 19980331
DT Patent
LA English
OS 1999-610839 [52]
DESC Chimeric protein, SEQ ID 7.

L4 ANSWER 2 OF 93 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAY42860 protein DGENE
TI New chimeric proteins containing ***human*** ***growth***
hormone fragment, used particularly for the production of
human ***insulin*** -
IN Gan Z
PA (TONG-N) TONGHUA GANTECH BIOTECHNOLOGY LTD.
PI WO 9950302 A1 19991007 46p
AI WO 1998-CN52 19980331
PRAI WO 1998-CN52 19980331
DT Patent
LA English
OS 1999-610839 [52]
DESC ***hGH*** -mini-proinsulin chimeric protein.

L4 ANSWER 3 OF 93 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAY42859 protein DGENE
TI New chimeric proteins containing ***human*** ***growth***
hormone fragment, used particularly for the production of
human ***insulin*** -
IN Gan Z
PA (TONG-N) TONGHUA GANTECH BIOTECHNOLOGY LTD.
PI WO 9950302 A1 19991007 46p
AI WO 1998-CN52 19980331
PRAI WO 1998-CN52 19980331
DT Patent
LA English
OS 1999-610839 [52]
DESC ***Human*** ***insulin*** precursor, SEQ ID 5.

L4 ANSWER 4 OF 93 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN AAY42858 protein DGENE
TI New chimeric proteins containing ***human*** ***growth***
hormone fragment, used particularly for the production of
human ***insulin*** -
IN Gan Z
PA (TONG-N) TONGHUA GANTECH BIOTECHNOLOGY LTD.
PI WO 9950302 A1 19991007 46p
AI WO 1998-CN52 19980331
PRAI WO 1998-CN52 19980331
DT Patent
LA English
OS 1999-610839 [52]
DESC ***Human*** ***insulin*** precursor, SEQ ID 5.

L4 ANSWER 5 OF 93 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN

TI New chimeric proteins containing ***human*** ***growth***
 hormone fragment, used particularly for the production of
 human ***insulin*** -

IN Gan Z
 PA (TONG-N) TONGHUA GANTECH BIOTECHNOLOGY LTD.
 PI WO 9950302 A1 19991007 46p
 AI WO 1998-CN52 19980331
 PRAI WO 1998-CN52 19980331
 DT Patent
 LA English
 OS 1999-610839 [52]
 DESC Cleavable peptide linker for ***hGH*** -mini-proinsulin chimeric protein.

L4 ANSWER 6 OF 93 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
 AN AAY42856 protein DGENE
 TI New chimeric proteins containing ***human*** ***growth***
 hormone fragment, used particularly for the production of
 human ***insulin*** -

IN Gan Z
 PA (TONG-N) TONGHUA GANTECH BIOTECHNOLOGY LTD.
 PI WO 9950302 A1 19991007 46p
 AI WO 1998-CN52 19980331
 PRAI WO 1998-CN52 19980331
 DT Patent
 LA English
 OS 1999-610839 [52]
 DESC ***Human*** ***growth*** ***hormone*** (***hGH***)
 N-terminal fragment #2.

L4 ANSWER 7 OF 93 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
 AN AAY42855 protein DGENE
 TI New chimeric proteins containing ***human*** ***growth***
 hormone fragment, used particularly for the production of
 human ***insulin*** -

IN Gan Z
 PA (TONG-N) TONGHUA GANTECH BIOTECHNOLOGY LTD.
 PI WO 9950302 A1 19991007 46p
 AI WO 1998-CN52 19980331
 PRAI WO 1998-CN52 19980331
 DT Patent
 LA English
 OS 1999-610839 [52]
 DESC ***Human*** ***growth*** ***hormone*** (***hGH***)
 N-terminal fragment #1.

L4 ANSWER 8 OF 93 IFIPAT COPYRIGHT 2003 IFI on STN
 AN 10417386 IFIPAT;IFIUDB;IFICDB
 TI COMPOSITIONS AND METHODS FOR THE TRANSPORT OF BIOLOGICALLY ACTIVE AGENTS
 ACROSS CELLULAR BARRIERS
 IN Chapin Steven; Glynn Jacqueline M; Hawley Stephen B; Houston L L;
 Sheridan Philip J
 PA Unassigned Or Assigned To Individual (68000)
 PI US 2003161809 A1 20030828
 AI US 2001-969748 20011002
 PRAI US 2000-237929P 20001002 (Provisional)
 US 2000-248478P 20001113 (Provisional)
 US 2000-248819P 20001114 (Provisional)
 US 2001-267601P 20010209 (Provisional)
 FI US 2003161809 20030828
 DT Utility; Patent Application - First Publication
 FS CHEMICAL
 APPLICATION
 CLMN 53
 GI 24 Figure(s).

FIG. 1 shows forward and reverse transcytotic pathways of the polyimmunoglobulin receptor (pIgR) in epithelial cells.
 FIG. 2 shows alignments of the amino acid sequences of pIgR homologs.
 Panel 2A, alignment of human, pig, cow, mouse, rat, possum and rabbit pIgR molecules, showing the relative positions of the leader sequence, the region of pIgR the secretory component that binds immunoglobulin (Ig), conserved sequences (boxed with thick upper border), domains 1-6, and the transmembrane domain (arrows, border between domains); Panel 2B, alignment of human, simian (CynMonk), rabbit and rat stalk amino acid sequences; Panel 2C, alignment of nucleotide sequences.

that encodes single chain antibody sFv5AF. The emboldened nucleotide sequence indicates the reading frame (ATG, start codon; TAA, stop codon); boxed sequences indicate restriction enzyme sites (aagctt, Hind III site; gaattc, EcoRI site).

FIG. 4 shows the amino acid sequence (SEQ ID NO:2) of the secreted form of the sFv5AF encoded by pSynSAF. Symbols: Pelb leader, a leader sequence that directs secretion from E. coli; FLAG, FLAG epitope; linker, amino acid sequence (GGGGS)₃; myc, c-myc epitope; 6 HIS, 6 x His tag; CDR, complementarity-determining region; FR, framework element; and the heavy and light chains of the sFv are indicated. The sequence of sFv5AF is similar to that of sFv5A, but a FLAG tag is present in sFv5AF, and the 5th residue in the sFv sequence is glutamine (Q) in 5A and valine (V) in SAF. The amino-terminal Pelb leader sequence is MKYLLPTAAAGLLLLAAQPAMA, and the carboxy terminal sequence is AAAEQKLISEEDLNGAAHHHHHH.

FIG. 5 shows the amino acid sequence of the secreted form of the sFv5AF-Cys (SEQ ID NO:12). The sFv5AF-Cys protein consists of, from an amino-to carboxy-terminal direction, a pelb leader (for secretion in E. coli), a FLAG epitope tag, a heavy chain variable region, a spacer sequence (GGGGS repeated three times, i.e., (G4S)₃), a light chain variable region, another (G4S)₃ linker, a cysteine residue (emboldened "C") that has been introduced into the sFv relative to sFv5AF, a c-myc epitope tag, and a 6 x His tag (for purification by Immobilized Metal-ion Affinity Chromatography, IMAC). The framework (FR) and complementarity-determining regions (CDR) of the heavy chain and light chain are indicated. The non-immunoglobulin regions (Pelb leader, FLAG epitope tag, linker (G4S)₃, c-myc tag and 6 x His tag) are shaded. In addition to the FLAG tag, the amino acid sequence of sFv5AF differs from sFv5A in that the 5th residue in the sFv sequence is changed from a glutamine (Q) to a valine (V) amino acid residue.

FIGS. 6, 7 and 8 illustrate reaction schemes for forming a disulfide bond between two different binding regions (e.g., between 2 sFv molecules, 2 Fab molecules, or a sFv and a Fab molecule). FIG. 7 illustrates a bispecific binding molecule prepared using one sFv that has been derivatized with 2-iminothiolane, and one sFv that has been derivatized with SPDP (N-succinimidyl-3-(2-pyridyldithio)-propionate).

FIG. 9 shows the nucleotide sequence of a cDNA that encodes, and the amino acid sequence of, human calcitonin (GenBank Accession No. M26095; SEQ ID NOS:7-8). The start (ATG) and stop (TAA) codons are underlined.

FIG. 10 shows the nucleotide sequence of a cDNA that encodes, and the amino acid sequence of, salmon calcitonin (GenBank Accession No. 64312; SEQ ID NOS:9-10). The start (ATG) and stop (TGA) codons are underlined.

FIG. 11 shows an amino acid sequence alignment for several representative calcitonin proteins from different species.

FIG. 12 shows the strategy and sequences used to clone mouse pIgR sequences.

FIG. 13 shows the strategy and sequences used to clone human pIgR sequences.

FIG. 14 shows a strategy and sequences for cloning rat pIgR sequences.

FIG. 15 shows the chimeric rabbit/rat pIgR molecule. Panel 15A shows the structure of the chimeric pIgR. Panel 15B shows the amino acid sequence of the chimeric pIgR (SEQ ID NO: 13). The transmembrane domain of the chimera is underlined. The rat portion of the molecule is emboldened. This segment consists of half of domain 5, domain 6, and most of the transmembrane domain. The cleavage site of the signal sequence is indicated by a filled circle.

FIG. 16 shows the amino acid sequences for various pIgR species encoded within GST-pIgR *****fusion*** proteins*****. Amino acids not contained within the pIgR protein are shown in bold and underlined. The most amino terminal amino acids in the sequences (GS) denote the amino acid residues glycine and serine residues contained at the carboxy terminus of the GST portion of the *****fusion*** protein*****. The carboxy termini of the *****fusion*** proteins*** contain additional amino acids not contained within the pIgR protein; in some cases these additional residues include a "His epitope tag" (HHHHHH). A consensus amino acid sequence for this part of the pIgR protein is shown below the sequences for cynomolgus, human, rat and rabbit sequences.**

FIG. 17 shows the partial amino acid sequence of a bacterial adhesion protein, CbpA (SEQ ID NO: 14). Emboldened and underlined amino acid sequences indicate amino acid sequences that bind, or contain an element that binds, pIgR.

FIG. 18 shows the transwell transcytosis assay system.

FIG. 19 shows the results of assays that compare the transcytosis of sFv5AF-Cys monomers and dimers.

FIG. 20 shows the results of assays that demonstrate sFv5AF-mediated M1 antibody transcytosis.

multivalent (dimers) sFv5 molecules.
 FIG. 22 shows the nucleotide sequence of a cDNA that encodes, and the amino acid sequence of, *****human***** *****growth***** *****hormone***** (*****hGH*****; GenBank Accession No. 4503988; SEQ ID NOS:3-4). The reading frame for *****hGH***** is emboldened and the start (ATG) and stop (TAG) codons thereof are underlined.
 FIG. 23 shows the pharmacokinetic profile of a sFv5AF- *****human***** *****growth***** *****hormone***** *****fusion***** *****protein***** (5AF-*****hGH*****) in rats. Panel (A) shows the response following intravenous (IV) administration of 0.33 mg/kg of 5AF- *****hGH*****. Panel (B) shows the response following intrajejunal (IJ) of 2.0 mg/kg of 5AF- *****hGH*****. The data represent mean of two animals per dosing group.
 FIG. 24 shows the sequence of a cDNA encoding human interleukin2 (IL-2; SEQ ID NO: 11).
 FIG. 25 shows the sequence of a cDNA encoding human interleukin4 (IL-4; GenBank Accession No. M13982; SEQ ID NO: 15). The start (ATG) and stop codons (TGA) of the IL-4 reading frame are underlined.
 FIG. 26 shows the nucleotide sequence of a cDNA that encodes, and the amino acid sequence of, *****human***** *****insulin***** (GenBank Accession No. 4557670; SEQ ID NOS:5-6). The start (ATG) and stop (TAG) codons are underlined. After removal of the precursor signal peptide, proinsulin is post-translationally cleaved into two chains (peptide A and peptide B) that are covalently linked via two disulfide bonds. Binding of this mature form of *****insulin***** to the *****insulin***** receptor (INSR) stimulates glucose uptake. A variety of mutant alleles with changes in the coding region have been identified.

L4 ANSWER 9 OF 93 IFIPAT COPYRIGHT 2003 IFI on STN
 AN 3554011 IFIPAT;IFIUDB;IFICDB
 TI PROTEIN PRODUCTION AND DELIVERY; A HOMOLOGOUS RECOMBINANT DNA CONSTRUCT COMPRISING A TARGETING SEQUENCE, AN EXOGENOUS REGULATORY SEQUENCE, AN EXON AND AN UNPAIRED SPLICE DONOR SITE AT THE 3'END; GENE THERAPY FOR THROMBOPOIETIN, THROMBOCYTOPENIA, MULTIPLE SCLEROSIS
 IN Hauge Brian M; Heartlein Michael W; Selden Richard F; Treco Douglas A
 PA Transkaryotic Therapies Inc (40420)
 PI US 6270989 20010807
 AI US 1995-406030 19950317
 RLI US 1991-787840 19911105 CONTINUATION-IN-PART ABANDONED
 US 1991-789188 19911105 CONTINUATION-IN-PART ABANDONED
 US 1992-911533 19920710 CONTINUATION-IN-PART ABANDONED
 US 1992-985586 19921203 CONTINUATION-IN-PART ABANDONED
 US 1994-243391 19940513 CONTINUATION-IN-PART 5641670
 FI US 6270989 20010807
 US 5641670
 DT UTILITY
 FS CHEMICAL
 GRANTED
 MRN 007450 MFN: 0993
 CLMN 356
 GI 30 Drawing Sheet(s), 30 Figure(s).

L4 ANSWER 10 OF 93 IFIPAT COPYRIGHT 2003 IFI on STN
 AN 3218659 IFIPAT;IFIUDB;IFICDB
 TI PROTEIN PRODUCTION AND PROTEIN DELIVERY; GENETIC ENGINEERING OF PROTEINS IN CELLS
 IN Heartlein Michael W; Selden Richard F; Treco Douglas
 PA Transkaryotic Therapies Inc (40420)
 PI US 5968502 19991019
 AI US 1995-451894 19950526
 RLI US 1991-787840 19911105 CONTINUATION-IN-PART ABANDONED
 US 1991-789188 19911105 CONTINUATION-IN-PART ABANDONED
 US 1992-911533 19920710 CONTINUATION-IN-PART ABANDONED
 US 1992-985586 19921203 DIVISION ABANDONED
 FI US 5968502 19991019
 DT UTILITY
 FS CHEMICAL
 GRANTED
 CLMN 84
 GI 5 Drawing Sheet(s), 6 Figure(s).

L4 ANSWER 11 OF 93 PROMT COPYRIGHT 2003 Gale Group on STN

ACCESSION NUMBER: 2002:313218 PROMT
 TITLE: Human Genome Sciences Provides Update of Company Progress.
 SOURCE: PR Newswire, (30 Apr 2002) pp. DCTU00530042002.

DOCUMENT TYPE: Newsletter
LANGUAGE: English
WORD COUNT: 4649
FULL TEXT IS AVAILABLE IN THE ALL FORMAT

L4 ANSWER 12 OF 93 USPATFULL on STN
AN 2003:244853 USPATFULL
TI Albumin fusion proteins
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Sadeghi, Homayoun, Doylestown, PA, UNITED STATES
Prior, Christopher P., Rosemont, PA, UNITED STATES
Turner, Andrew J., Eagleville, PA, UNITED STATES
PI US 2003171267 A1 20030911
AI US 2001-833117 A1 20010412 (9)
PRAI US 2000-256931P 20001221 (60)
US 2000-199384P 20000425 (60)
US 2000-229358P 20000412 (60)
DT Utility
FS APPLICATION
LN.CNT 13208
INCL INCLM: 514/012.000
INCLS: 530/363.000
NCL NCLM: 514/012.000
NCLS: 530/363.000
IC [7]
ICM: A61K038-38
ICS: C07K014-765

L4 ANSWER 13 OF 93 USPATFULL on STN
AN 2003:239371 USPATFULL
TI Expression and purification of bioactive, authentic polypeptides from plants
IN Russell, Douglas A., Madison, WI, UNITED STATES
Schlittler, Michael, Wildwood, MO, UNITED STATES
PI US 2003167531 A1 20030904
AI US 2001-824200 A1 20010403 (9)
RLI Continuation-in-part of Ser. No. US 1998-113244, filed on 10 Jul 1998, GRANTED, Pat. No. US 6512162 Continuation-in-part of Ser. No. US 1999-316847, filed on 21 May 1999, ABANDONED
PRAI US 2000-194217P 20000403 (60)
DT Utility
FS APPLICATION
LN.CNT 2681
INCL INCLM: 800/288.000
INCLS: 530/351.000
NCL NCLM: 800/288.000
NCLS: 530/351.000
IC [7]
ICM: A01H005-00
ICS: C07K014-52

L4 ANSWER 14 OF 93 USPATFULL on STN
AN 2003:238127 USPATFULL
TI Methods and compositions for liver specific delivery of therapeutic molecules using recombinant AAV vectors
IN Srivastava, Arun, Indianapolis, IN, UNITED STATES
Ponnazhagan, Selvarangan, Cleveland, OH, UNITED STATES
Schloemer, Robert H., Indianapolis, IN, UNITED STATES
Wang, Xu-Shan, Carmel, IN, UNITED STATES
Yoder, Mervin C., Indianapolis, IN, UNITED STATES
Zhou, Shang-Zhen, Alameda, CA, UNITED STATES
Escobedo, Jaime, Alamo, CA, UNITED STATES
Dwarki, Varavani, Alameda, CA, UNITED STATES
PA Chiron Corporation, Emeryville, CA, UNITED STATES (U.S. corporation)
PI US 2003166284 A1 20030904
AI US 2002-109799 A1 20020328 (10)
RLI Division of Ser. No. US 1997-921497, filed on 2 Sep 1997, GRANTED, Pat. No. US 6521225
PRAI US 1996-25616P 19960906 (60)
US 1996-25649P 19960911 (60)
DT Utility
FS APPLICATION
LN.CNT 1154
INCL INCLM: 435/456.000
INCLS: 424/093.200

IC NCLS: 424/093.200
 [7]
 ICM: A61K048-00
 ICS: C12N015-861

L4 ANSWER 15 OF 93 USPATFULL on STN
 AN 2003:237853 USPATFULL
 TI Custom ligand design for biomolecular filtration and purification for
 bioseperation
 IN Affholter, Joseph A., Coleman, MI, UNITED STATES
 PI US 2003166010 A1 20030904
 AI US 2003-374817 A1 20030225 (10)
 PRAI US 2002-359503P 20020225 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 1305
 INCL INCLM: 435/007.100
 INCLS: 436/518.000
 NCL NCLM: 435/007.100
 NCLS: 436/518.000
 IC [7]
 ICM: G01N033-53
 ICS: G01N033-543

L4 ANSWER 16 OF 93 USPATFULL on STN
 AN 2003:228396 USPATFULL
 TI Microbial production of mature human leukocyte interferons
 IN Goeddel, David V., Burlingame, CA, United States
 Pestka, Sidney, North Caldwell, NJ, United States
 PA Hoffman-La Roche Inc., Nutley, NJ, United States (U.S. corporation)
 Genentech, Inc., South San Francisco, CA, United States (U.S.
 corporation)
 PI US 6610830 B1 20030826
 AI US 1981-256204 19810421 (6)
 RLI Continuation-in-part of Ser. No. US 1980-205578, filed on 10 Nov 1980,
 now abandoned Continuation-in-part of Ser. No. US 1980-184909, filed on
 8 Sep 1980, now abandoned Continuation-in-part of Ser. No. US
 1980-164986, filed on 1 Jul 1980, now abandoned
 DT Utility
 FS GRANTED
 LN.CNT 3563
 INCL INCLM: 530/351.000
 INCLS: 435/069.510; 536/023.520
 NCL NCLM: 530/351.000
 NCLS: 435/069.510; 536/023.520
 IC [7]
 ICM: C07K014-56
 EXF 260/112.5R; 260/112R; 424/85; 424/85.7; 435/172.3; 435/68; 435/69.51;
 435/84; 530/351
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 17 OF 93 USPATFULL on STN
 AN 2003:225260 USPATFULL
 TI Treatment or replacement therapy using transgenic stem cells delivered
 to the gut
 IN Wolfe, M. Michael, Boston, MA, UNITED STATES
 Jepeal, Lisa I., Billerica, MA, UNITED STATES
 Boylan, Michael O., Milton, MA, UNITED STATES
 PI US 2003157071 A1 20030821
 AI US 2002-161256 A1 20020531 (10)
 PRAI WO 2002-US17178 20020531
 US 2001-294772P 20010531 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 1262
 INCL INCLM: 424/093.210
 INCLS: 435/372.000
 NCL NCLM: 424/093.210
 NCLS: 435/372.000
 IC [7]
 ICM: A61K048-00
 ICS: C12N005-08
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 18 OF 93 USPATFULL on STN

TI Albumin fusion proteins
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Haseltine, William A., Washington, DC, UNITED STATES
PI US 2003125247 A1 20030703
AI US 2001-833041 A1 20010412 (9)
PRAI US 2000-256931P 20001221 (60)
US 2000-199384P 20000425 (60)
US 2000-229358P 20000412 (60)

DT Utility
FS APPLICATION

LN.CNT 15235

INCL INCLM: 514/012.000
INCLS: 530/363.000

NCL NCLM: 514/012.000
NCLS: 530/363.000

IC [7]
ICM: A61K038-38
ICS: C07K014-765

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 19 OF 93 USPATFULL on STN

AN 2003:180701 USPATFULL

TI Sequence-directed DNA-binding molecules compositions and methods

IN Edwards, Cynthia A., Menlo Park, CA, UNITED STATES

Cantor, Charles R., Del Mar, CA, UNITED STATES

Andrews, Beth M., Maynard, MA, UNITED STATES

Turin, Lisa M., Redwood City, CA, UNITED STATES

Fry, Kirk E., Palo Alto, CA, UNITED STATES

PA Genelabs Technologies, Inc. (U.S. corporation)

PI US 2003124530 A1 20030703

AI US 2001-993346 A1 20011113 (9)

RLI Division of Ser. No. US 1999-354947, filed on 15 Jul 1999, GRANTED, Pat. No. US 6384208 Continuation of Ser. No. US 1995-482080, filed on 7 Jun 1995, GRANTED, Pat. No. US 6010849 Division of Ser. No. US 1993-171389, filed on 20 Dec 1993, GRANTED, Pat. No. US 5578444 Continuation-in-part of Ser. No. US 1993-123936, filed on 17 Sep 1993, GRANTED, Pat. No. US 5726014 Continuation-in-part of Ser. No. US 1992-996783, filed on 23 Dec 1992, GRANTED, Pat. No. US 5693463 Continuation-in-part of Ser. No. US 1991-723618, filed on 27 Jun 1991, ABANDONED

DT Utility
FS APPLICATION

LN.CNT 10851

INCL INCLM: 435/006.000

NCL NCLM: 435/006.000

IC [7]
ICM: C12Q001-68

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 20 OF 93 USPATFULL on STN

AN 2003:147138 USPATFULL

TI Methods and devices for administration of substances into the intradermal layer of skin for systemic absorption

IN Pettis, Ronald J., Cary, NC, UNITED STATES

Harvey, Noel G., Efland, NC, UNITED STATES

Alchas, Paul G., Wayne, NJ, UNITED STATES

Down, James A., Mahwah, NJ, UNITED STATES

PI US 2003100885 A1 20030529

AI US 2001-28988 A1 20011228 (10)

RLI Continuation-in-part of Ser. No. US 2001-893746, filed on 29 Jun 2001, PENDING Continuation-in-part of Ser. No. US 2001-835243, filed on 13 Apr 2001, PENDING Continuation-in-part of Ser. No. US 1999-417671, filed on 14 Oct 1999, GRANTED, Pat. No. US 6494865

PRAI US 2001-301531P 20010629 (60)

DT Utility
FS APPLICATION

LN.CNT 1504

INCL INCLM: 604/506.000

INCLS: 604/522.000; 604/272.000

NCL NCLM: 604/506.000

NCLS: 604/522.000; 604/272.000

IC [7]
ICM: A61M005-32

L4 ANSWER 21 OF 93 USPATFULL on STN

AN 2003:134542 USPATFULL

IN Deshayes, Kurt D., San Francisco, CA, UNITED STATES
Lowman, Henry B., El Granada, CA, UNITED STATES
Schaffer, Michelle L., Cambridge, UNITED KINGDOM
Sidhu, Sachdev S., San Francisco, CA, UNITED STATES
PA GENENTECH, INC. (U.S. corporation)
PI US 2003092631 A1 20030515
AI US 2002-98093 A1 20020313 (10)
PRAI US 2001-275904P 20010314 (60)

DT Utility
FS APPLICATION
LN.CNT 3914
INCL INCLM: 514/014.000
INCLS: 530/326.000
NCL NCLM: 514/014.000
NCLS: 530/326.000
IC [7]
ICM: A61K038-10
ICS: C07K007-08

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 22 OF 93 USPATFULL on STN
AN 2003:113485 USPATFULL
TI Delivery of polypeptides by secretory gland expression
IN German, Michael S., Daly City, CA, UNITED STATES
Goldfine, Ira D., Kentfield, CA, UNITED STATES
Rothman, Stephen S., Berkeley, CA, UNITED STATES
PI US 2003078226 A1 20030424
AI US 2002-172388 A1 20020614 (10)
RLI Continuation of Ser. No. US 2000-550302, filed on 14 Apr 2000, PENDING
Continuation-in-part of Ser. No. US 1998-130886, filed on 7 Aug 1998,
GRANTED, Pat. No. US 6255289 Continuation of Ser. No. US 1996-591197,
filed on 16 Jan 1996, GRANTED, Pat. No. US 5885971 Continuation-in-part
of Ser. No. US 1995-410660, filed on 24 Mar 1995, GRANTED, Pat. No. US
5837693
DT Utility
FS APPLICATION
LN.CNT 1987
INCL INCLM: 514/044.000
INCLS: 435/455.000
NCL NCLM: 514/044.000
NCLS: 435/455.000
IC [7]
ICM: A61K048-00
ICS: C12N015-85

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 23 OF 93 USPATFULL on STN
AN 2003:113461 USPATFULL
TI Receptor derived peptides involved in modulation of response to ligand
binding
IN Olsson, Lennart, Mountain View, CA, UNITED STATES
Naranda, Tatjana, Mountain View, CA, UNITED STATES
PI US 2003078202 A1 20030424
AI US 2002-74695 A1 20020211 (10)
RLI Continuation of Ser. No. US 1997-788820, filed on 23 Jan 1997, GRANTED,
Pat. No. US 6346390 Continuation-in-part of Ser. No. US 1996-612999,
filed on 8 Mar 1996, GRANTED, Pat. No. US 5952293 Continuation-in-part
of Ser. No. US 1996-701382, filed on 22 Aug 1996, GRANTED, Pat. No. US
6004758
DT Utility
FS APPLICATION
LN.CNT 1097
INCL INCLM: 514/012.000
INCLS: 514/013.000; 514/015.000; 514/016.000; 514/014.000; 530/324.000;
530/325.000; 530/326.000; 530/327.000; 530/328.000
NCL NCLM: 514/012.000
NCLS: 514/013.000; 514/015.000; 514/016.000; 514/014.000; 530/324.000;
530/325.000; 530/326.000; 530/327.000; 530/328.000
IC [7]
ICM: A61K038-10
ICS: A61K038-08; C07K007-08; C07K007-06

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 24 OF 93 USPATFULL on STN
AN 2003:106697 USPATFULL

IN Pinkerton, Thomas C., Kalamazoo, MI, UNITED STATES
PI US 2003073609 A1 20030417
AI US 2001-897801 A1 20010629 (9)
DT Utility
FS APPLICATION
LN.CNT 1522
INCL INCLM: 514/001.000
INCLS: 604/028.000; 514/003.000
NCL NCLM: 514/001.000
NCLS: 604/028.000; 514/003.000
IC [7]
ICM: A61K038-28
ICS: A61M001-00; A61K031-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 25 OF 93 USPATFULL on STN
AN 2003:67756 USPATFULL
TI Delivery of polynucleotides by secretory gland expression
IN German, Michael S., San Francisco, CA, United States
Goldfine, Ira D., Kentfield, CA, United States
Rothman, Stephen S., Berkeley, CA, United States
PA The Regents of the University of California, Oakland, CA, United States
(U.S. corporation)
PI US 6531455 B1 20030311
AI US 2000-550302 20000414 (9)
RLI Continuation-in-part of Ser. No. US 1998-130886, filed on 7 Aug 1998,
now patented, Pat. No. US 6255289 Continuation of Ser. No. US
1996-591197, filed on 16 Jan 1996, now patented, Pat. No. US 5885971
Continuation-in-part of Ser. No. US 1995-410660, filed on 24 Mar 1995,
now patented, Pat. No. US 5837693
DT Utility
FS GRANTED
LN.CNT 2132
INCL INCLM: 514/044.000
INCLS: 435/320.100
NCL NCLM: 514/044.000
NCLS: 435/320.100
IC [7]
ICM: A61K048-00
EXF 435/320.1; 435/455; 435/458; 424/93.2; 514/44
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 26 OF 93 USPATFULL on STN
AN 2003:67554 USPATFULL
TI Lentiviral vectors
IN Chang, Lung-Ji, 3102 57th Ter., NW., Gainesville, FL, United States
32606
PI US 6531123 B1 20030311
AI US 1999-318138 19990525 (9)
RLI Continuation-in-part of Ser. No. US 1997-935312, filed on 22 Sep 1997,
now patented, Pat. No. US 6207455 Continuation-in-part of Ser. No. US
1997-848760, filed on 1 May 1997, now patented, Pat. No. US 6248721
PRAI US 1998-86635P 19980526 (60)
DT Utility
FS GRANTED
LN.CNT 6748
INCL INCLM: 424/093.200
INCLS: 435/235.100; 435/320.100; 435/325.000; 435/366.000; 435/455.000;
435/456.000; 435/457.000; 435/005.000; 435/006.000; 536/023.100;
536/023.720; 536/024.100; 424/093.100; 424/093.200; 424/093.600
NCL NCLM: 424/093.200
NCLS: 424/093.100; 424/093.600; 435/005.000; 435/006.000; 435/235.100;
435/320.100; 435/325.000; 435/366.000; 435/455.000; 435/456.000;
435/457.000; 536/023.100; 536/023.720; 536/024.100
IC [7]
ICM: A61K048-00
ICS: C12N015-867; C12N015-63; C12N005-10
EXF 435/235.1; 435/320.1; 435/325; 435/366; 435/455; 435/456; 435/457;
435/5; 435/6; 536/23.1; 536/23.72; 536/24.1; 424/93.1; 424/93.2;
424/93.6
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 27 OF 93 USPATFULL on STN
AN 2003:47509 USPATFULL
TI AAV vectors

Ponnazhagan, Selvarangan, Cleveland, OH, United States
 Chloemer, Robert H., Indianapolis, IN, United States
 Wang, Xu-Shan, Carmel, IN, United States
 Yoder, Mervin C., Indianapolis, IN, United States
 Zhou, Shang-Zhen, Alameda, CA, United States
 Escobedo, Jaime, Alamo, CA, United States
 Dwarki, Varavani, Alameda, CA, United States
 PA Chiron Corporation, Emeryville, CA, United States (U.S. corporation)
 Advanced Research and Technology Institute, Bloomington, IN, United States (U.S. corporation)
 PI US 6521225 B1 20030218
 AI US 1997-921497 19970902 (8)
 PRAI US 1996-25616P 19960906 (60)
 US 1996-25649P 19960911 (60)
 DT Utility
 FS GRANTED
 LN.CNT 1164
 INCL INCLM: 424/093.200
 INCLS: 424/093.100
 NCL NCLM: 424/093.200
 NCLS: 424/093.100
 IC [7]
 ICM: A61K035-00
 EXF 514/44; 536/23.1; 435/320.1; 435/172.3; 935/23; 424/93.2; 424/93.1
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 28 OF 93 USPATFULL on STN
 AN 2002:337972 USPATFULL
 TI Gene therapy by secretory gland expression
 IN German, Michael, San Francisco, CA, UNITED STATES
 Goldfine, Ira D., Kentfield, CA, UNITED STATES
 Rothman, Stephen S., Berkeley, CA, UNITED STATES
 PI US 2002193337 A1 20021219
 AI US 2002-172167 A1 20020614 (10)
 RLI Continuation of Ser. No. US 2001-755492, filed on 4 Jan 2001, PENDING
 Division of Ser. No. US 1998-130886, filed on 7 Aug 1998, GRANTED, Pat.
 No. US 6255289 Continuation of Ser. No. US 1996-591197, filed on 16 Jan
 1996, GRANTED, Pat. No. US 5885971 Continuation-in-part of Ser. No. US
 1995-410660, filed on 24 Mar 1995, GRANTED, Pat. No. US 5837693
 DT Utility
 FS APPLICATION
 LN.CNT 1575
 INCL INCLM: 514/044.000
 INCLS: 424/093.210
 NCL NCLM: 514/044.000
 NCLS: 424/093.210
 IC [7]
 ICM: A61K048-00
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 29 OF 93 USPATFULL on STN
 AN 2002:303865 USPATFULL
 TI Microbial production of mature human leukocyte interferons
 IN Goeddel, David V., Burlingame, CA, United States
 Pestka, Sidney, North Caldwell, NJ, United States
 PA Hoffmann-La Roche Inc., Nutley, NJ, United States (U.S. corporation)
 Genentech, Inc., South San Francisco, CA, United States (U.S.
 corporation)
 PI US 6482613 B1 20021119
 AT US 1988-145002 19880119 (7)
 RLI Continuation of Ser. No. US 1985-703148, filed on 19 Feb 1985, now
 abandoned Division of Ser. No. US 1981-256204, filed on 21 Apr 1981
 Continuation-in-part of Ser. No. US 1980-205578, filed on 10 Nov 1980,
 now abandoned Continuation-in-part of Ser. No. US 1980-184909, filed on
 8 Sep 1980, now abandoned Continuation-in-part of Ser. No. US
 1980-164986, filed on 1 Jul 1980, now abandoned
 DT Utility
 FS GRANTED
 LN.CNT 3194
 INCL INCLM: 435/069.510
 INCLS: 435/069.100; 435/252.300; 435/252.330; 536/023.520
 NCL NCLM: 435/069.510
 NCLS: 435/069.100; 435/252.300; 435/252.330; 536/023.520
 IC [7]
 ICM: C12P021-02

536/23.52; 424/85.7

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 30 OF 93 USPATFULL on STN
AN 2002:294669 USPATFULL
TI Chimeric protein containing an intramolecular chaperone-like sequence
IN Gan, Zhong-Ru, Tonghua City, CHINA
PA Tonghua GanTech Biotechnology Ltd., Tonghua City, CHINA (non-U.S. corporation)
PI US 2002164712 A1 20021107
AI US 2002-54873 A1 20020122 (10)
RLI Continuation of Ser. No. US 2000-423100, filed on 11 Dec 2000, PENDING A 371 of International Ser. No. WO 1998-CN52, filed on 31 Mar 1998, UNKNOWN
DT Utility
FS APPLICATION
LN.CNT 1526
INCL INCLM: 435/069.400
INCLS: 435/320.100; 435/325.000; 435/226.000; 530/303.000; 536/023.200
NCL NCLM: 435/069.400
NCLS: 435/320.100; 435/325.000; 435/226.000; 530/303.000; 536/023.200
IC [7]
ICM: C07H021-04
ICS: C12N009-64; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 31 OF 93 USPATFULL on STN
AN 2002:287154 USPATFULL
TI Receptor derived peptides as modulators of receptor activity
IN Olsson, Lennart, Mountain View, CA, UNITED STATES
Naranda, Tatjana, Mountain View, CANADA
PI US 2002160013 A1 20021031
AI US 2001-991548 A1 20011120 (9)
RLI Continuation of Ser. No. US 1998-28937, filed on 24 Feb 1998, GRANTED, Pat. No. US 6333031 Continuation of Ser. No. US 1997-788820, filed on 23 Jan 1997, GRANTED, Pat. No. US 6346390 Continuation of Ser. No. US 1996-701382, filed on 22 Aug 1996, GRANTED, Pat. No. US 6004758 Continuation of Ser. No. US 1996-612999, filed on 8 Mar 1996, GRANTED, Pat. No. US 5952293
DT Utility
FS APPLICATION
LN.CNT 2231
INCL INCLM: 424/185.100
INCLS: 530/324.000; 530/325.000; 530/326.000; 530/327.000
NCL NCLM: 424/185.100
NCLS: 530/324.000; 530/325.000; 530/326.000; 530/327.000
IC [7]
ICM: A61K039-00
ICS: C07K014-74; C07K007-08; C07K007-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 32 OF 93 USPATFULL on STN
AN 2002:273335 USPATFULL
TI Agouti polynucleotide compositions and methods of use
IN Woychik, Richard P., Orinda, CA, UNITED STATES
Bultman, Scott J., Lakewood, OH, UNITED STATES
Michaud, Edward J., UNITED STATES
PI US 2002151463 A1 20021017
US 6514747 B2 20030204
AI US 2001-781811 A1 20010212 (9)
RLI Division of Ser. No. US 1998-34088, filed on 3 Mar 1998, GRANTED, Pat. No. US 6310034 Continuation-in-part of Ser. No. US 1993-64385, filed on 21 May 1993, ABANDONED
DT Utility
FS APPLICATION
LN.CNT 11146
INCL INCLM: 514/002.000
INCLS: 435/006.000; 435/069.100; 435/325.000; 536/023.500
NCL NCLM: 435/252.300
NCLS: 435/254.110; 435/320.100; 435/325.000; 536/023.100; 536/023.500; 536/024.330
IC [7]
ICM: A61K038-17
ICS: C12Q001-68; C07H021-04; C12N005-06; C12P021-02
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 33 OF 93 USPATFULL on STN
 AN 2002:266445 USPATFULL
 TI Connective tissue growth factor homologs
 IN Sheppard, Paul O., Granite Falls, WA, UNITED STATES
 Jaspers, Stephen R., Edmonds, WA, UNITED STATES
 Gao, Zeren, Redmond, WA, UNITED STATES
 PA ZymoGenetics, Inc. (U.S. corporation)
 PI US 2002147328 A1 20021010
 AI US 2001-11859 A1 20011105 (10)
 RLI Continuation of Ser. No. US 1999-253316, filed on 19 Feb 1999, PENDING
 PRAI US 1998-75300P 19980220 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 3305
 INCL INCLM: 536/023.500
 INCLS: 530/399.000; 435/006.000; 435/069.100; 435/325.000; 435/320.100
 NCL NCLM: 536/023.500
 NCLS: 530/399.000; 435/006.000; 435/069.100; 435/325.000; 435/320.100
 IC [7]
 ICM: C12Q001-68
 ICS: C07H021-04; C07K014-475; C12P021-02; C12N005-06
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 34 OF 93 USPATFULL on STN
 AN 2002:122765 USPATFULL
 TI Nucleic acids encoding connective tissue growth factor homologs
 IN Sheppard, Paul O., Redmond, WA, United States
 Jaspers, Stephen R., Edmonds, WA, United States
 Gao, Zeren, Redmond, WA, United States
 PA ZymoGenetics, Inc., Seattle, WA, United States (U.S. corporation)
 PI US 6395890 B1 20020528
 AI US 1999-253316 19990219 (9)
 PRAI US 1998-75300P 19980220 (60)
 DT Utility
 FS GRANTED
 LN.CNT 2824
 INCL INCLM: 536/023.500
 INCLS: 536/024.310
 NCL NCLM: 536/023.500
 NCLS: 536/024.310
 IC [7]
 ICM: C07H021-04
 EXF 536/23.5; 536/23.4; 536/24.31; 435/69.1; 435/69.4; 435/69.8; 435/325;
 435/252.3; 435/320.1; 530/351; 530/399
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 35 OF 93 USPATFULL on STN
 AN 2002:116023 USPATFULL
 TI Process for preparing recombinant proteins using highly efficient
 expression vector from saccharomyces cerevisiae
 IN Jang, Ki-Ryong, Yusong-ku, KOREA, REPUBLIC OF
 Moon, Jae-Woong, Yusong-ku, KOREA, REPUBLIC OF
 Bae, Cheon-Soon, Yusong-ku, KOREA, REPUBLIC OF
 Yang, Doo-Suk, Yusong-ku, KOREA, REPUBLIC OF
 Lee, Jee-Won, Yusong-ku, KOREA, REPUBLIC OF
 Seong, Baik-Lin, Yusong-ku, KOREA, REPUBLIC OF
 PA Hani Synthetic Fiber Co., Ltd., Masan-si, KOREA, REPUBLIC OF (non-U.S.
 corporation)
 PI US 6391585 B1 20020521
 WO 9854339 19981203
 AI US 1999-424620 19991124 (9)
 WO 1997-KR97 19970527
 19991124 PCT 371 date
 DT Utility
 FS GRANTED
 LN.CNT 1348
 INCL INCLM: 435/069.100
 INCLS: 435/069.400; 435/069.500; 435/320.100; 435/254.210; 536/023.100;
 536/024.100
 NCL NCLM: 435/069.100
 NCLS: 435/069.400; 435/069.500; 435/254.210; 435/320.100; 536/023.100;
 536/024.100
 IC [7]
 ICM: C12N015-12
 ICS: C12N015-18; C12N015-19; C12N015-63; C12N001-19; C07H021-04

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 36 OF 93 USPATFULL on STN
AN 2002:102627 USPATFULL
TI Sequence directed DNA binding molecules compositions and methods
IN Edwards, Cynthia A., Menlo Park, CA, United States
Cantor, Charles R., Boston, MA, United States
Andrews, Beth M., Maynard, MA, United States
Turin, Lisa M., Redwood City, CA, United States
Fry, Kirk E., Palo Alto, CA, United States
PA Genelabs Technologies, Inc., Redwood City, CA, United States (U.S.
corporation)
PI US 6384208 B1 20020507
AI US 1999-354947 19990715 (9)
RLI Continuation of Ser. No. US 1995-482080, filed on 7 Jun 1995, now
patented, Pat. No. US 6010849, issued on 4 Jan 2000 Division of Ser. No.
US 1993-171389, filed on 20 Dec 1993, now patented, Pat. No. US 5578444,
issued on 26 Nov 1996 Continuation-in-part of Ser. No. US 1993-123936,
filed on 17 Sep 1993, now patented, Pat. No. US 5726014, issued on 10
Mar 1998 Continuation-in-part of Ser. No. US 1992-996783, filed on 23
Dec 1992, now patented, Pat. No. US 5693463, issued on 2 Dec 1997
Continuation-in-part of Ser. No. US 1991-723618, filed on 27 Jun 1991,
now abandoned
DT Utility
FS GRANTED
LN.CNT 5215
INCL INCLM: 536/024.100
INCLS: 536/023.100
NCL NCLM: 536/024.100
NCLS: 536/023.100
IC [7]
ICM: C07H021-04
EXF 435/6; 536/24.1; 536/23.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 37 OF 93 USPATFULL on STN
AN 2002:99078 USPATFULL
TI PCR ASSAY
IN DODGE, ANTHONY H., SAN MATEO, CA, UNITED STATES
MENG, YU-JU G., ALBANY, CA, UNITED STATES
SIMS, PAUL W., OAKLAND, CA, UNITED STATES
SINICROPI, DOMINICK V., MENLO PARK, CA, UNITED STATES
WILLIAMS, P. MICKEY, HALF MOON BAY, CA, UNITED STATES
WONG, WAI LEE, LOS ALTOS HILLS, CA, UNITED STATES
PI US 2002051974 A1 20020502
AI US 1999-449204 A1 19991124 (9)
PRAI US 1998-110259P 19981130 (60)
DT Utility
FS APPLICATION
LN.CNT 2263
INCL INCLM: 435/006.000
INCLS: 435/091.200; 435/091.100; 536/023.100
NCL NCLM: 435/006.000
NCLS: 435/091.200; 435/091.100; 536/023.100
IC [7]
ICM: C12Q001-68
ICS: C07H021-02; C07H021-04; C12P019-34
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

I4 ANSWER 38 OF 93 USPATFULL on STN
AN 2002:92297 USPATFULL
TI Modified lepidopteran receptors and hybrid multifunctional proteins for
use in transcription and regulation of transgene expression
IN Gage, Fred H., La Jolla, CA, UNITED STATES
Suhr, Steven T., La Jolla, CA, UNITED STATES
PA The Salk Institute of Biological Studies (U.S. corporation)
PI US 2002048815 A1 20020425
AI US 2001-952559 A1 20010913 (9)
RLI Division of Ser. No. US 1997-891298, filed on 10 Jul 1997, PATENTED
DT Utility
FS APPLICATION
LN.CNT 1850
INCL INCLM: 435/455.000
INCLS: 435/069.100; 435/325.000
NCL NCLM: 435/455.000

IC [7]
ICM: C12P021-02
ICS: C12N005-06; C12N015-63
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 39 OF 93 USPATFULL on STN
AN 2002:72437 USPATFULL
TI Delivery of therapeutic gene products by intestinal cell expression
IN German, Michael, San Francisco, CA, UNITED STATES
Goldfine, Ira D., Kentfield, CA, UNITED STATES
Rothman, Stephen S., Berkeley, CA, UNITED STATES
PI US 2002039574 A1 20020404
AI US 2001-811323 A1 20010316 (9)
RLI Continuation of Ser. No. US 1999-254988, filed on 11 Jun 1999, GRANTED,
Pat. No. US 6258789 A 371 of International Ser. No. WO 1997-US16523,
filed on 18 Sep 1997, UNKNOWN Continuation-in-part of Ser. No. US
1996-717084, filed on 20 Sep 1996, GRANTED, Pat. No. US 6225290
DT Utility
FS APPLICATION
LN.CNT 1566
INCL INCLM: 424/093.210
INCLS: 514/044.000
NCL NCLM: 424/093.210
NCLS: 514/044.000
IC [7]
ICM: A61K048-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 40 OF 93 USPATFULL on STN
AN 2002:29252 USPATFULL
TI Receptor derived peptides involved in modulation of response to ligand
binding
IN Olsson, Lennart, Orinda, CA, United States
Navrenda, Tatajna, Mountain View, CA, United States
PA Receptron, Inc., Mountain View, CA, United States (U.S. corporation)
PI US 6346390 B1 20020212
AI US 1997-788820 19970123 (8)
RLI Continuation-in-part of Ser. No. US 1996-701382, filed on 22 Aug 1996,
now patented, Pat. No. US 6004758 Continuation-in-part of Ser. No. US
1996-612999, filed on 8 Mar 1996, now patented, Pat. No. US 5952293
DT Utility
FS GRANTED
LN.CNT 1106
INCL INCLM: 435/007.210
INCLS: 435/007.100; 435/007.800; 435/007.920; 435/007.930; 436/501.000
NCL NCLM: 435/007.210
NCLS: 435/007.100; 435/007.800; 435/007.920; 435/007.930; 436/501.000
IC [7]
ICM: G01N033-566
EXF 436/86; 436/501; 435/7.1; 435/7.21; 435/7.8; 435/7.92; 435/7.93
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 41 OF 93 USPATFULL on STN
AN 2001:235106 USPATFULL
TI Bacterial polypeptide expression employing tryptophan promoter-operator
IN Kleid, Dennis G., San Mateo, CA, United States
Yansura, Daniel G., San Francisco, CA, United States
Heyneker, Herbert L., Burlingame, CA, United States
Miozzari, Giuseppe F., San Carlos, CA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S.
corporation)
PI US 6333174 B1 20011225
AI US 1995-482321 19950606 (8)
RLI Continuation of Ser. No. US 1991-773740, filed on 9 Oct 1991, now
abandoned Continuation of Ser. No. US 1989-345047, filed on 27 Apr 1989,
now abandoned Continuation of Ser. No. US 1984-685521, filed on 24 Dec
1984, now abandoned Continuation of Ser. No. US 1981-307473, filed on 1
Oct 1981, now abandoned Continuation of Ser. No. US 1980-133296, filed
on 24 Mar 1980, now abandoned
DT Utility
FS GRANTED
LN.CNT 1138
INCL INCLM: 435/069.400
INCLS: 435/069.100; 435/476.000; 435/488.000; 536/023.510
NCL NCLM: 435/069.400
NCLS: 435/069.100; 435/476.000; 435/488.000; 536/023.510

IC [7]
ICM: C12N015-63
ICS: C12N015-71
EXF 435/69.1; 435/91.1; 435/69.4; 435/172.1; 435/172.3; 435/252.3;
435/320.1; 435/476; 435/488; 536/23.1; 536/23.4; 536/23.5; 536/24.1;
536/25.3
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 42 OF 93 USPTAFULL on STN
AN 2001:234974 USPTAFULL
TI Receptor derived peptides as modulators of receptor activity
IN Olsson, Lennart, Orinda, CA, United States
Naranda, Tatjana, Mountain View, CA, United States
PA Reception, Inc., Mountain View, CA, United States (U.S. corporation)
PI US 6333031 B1 20011225
AI US 1998-28937 19980224 (9)
RLI Continuation-in-part of Ser. No. US 1997-788820, filed on 23 Jan 1997
Continuation of Ser. No. US 1996-701382, filed on 22 Aug 1996, now
patented, Pat. No. US 6004758 Continuation of Ser. No. US 1996-612999,
filed on 8 Mar 1996, now patented, Pat. No. US 5952293
DT Utility
FS GRANTED
LN.CNT 1909
INCL INCLM: 424/093.700
INCLS: 514/004.000; 514/016.000; 514/013.000; 514/012.000; 514/002.000;
530/303.000; 530/328.000; 530/324.000; 530/325.000; 530/350.000;
435/325.000
NCL NCLM: 424/093.700
NCLS: 435/325.000; 514/002.000; 514/004.000; 514/012.000; 514/013.000;
514/016.000; 530/303.000; 530/324.000; 530/325.000; 530/328.000;
530/350.000

IC [7]
ICM: C07K007-00
ICS: C07K014-00; C12N005-06
EXF 530/303; 530/328; 530/324; 530/325; 530/350; 514/2; 514/4; 514/12;
514/13; 514/16; 424/93.7; 435/325
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 43 OF 93 USPTAFULL on STN
AN 2001:229658 USPTAFULL
TI Methods and compositions for liver specific delivery of therapeutic
molecules using recombinant AAV vectors
IN Srivastava, Arun, Indianapolis, IN, United States
Ponnazhagan, Selvarangan, Cleveland, OH, United States
Schloemer, Robert H., Indianapolis, IN, United States
Wang, Xu-Shan, Carmel, IN, United States
Yoder, Mervin C., Indianapolis, IN, United States
Zhou, Shang-Zhen, Alameda, CA, United States
Escobedo, Jaime, Alamo, CA, United States
Dwarki, Varavani, Alameda, CA, United States
PA Chiron Corporation. (U.S. corporation)
PI US 2001051611 A1 20011213
AI US 2001-912680 A1 20010724 (9)
RLI Continuation of Ser. No. US 1997-921497, filed on 2 Sep 1997, PENDING
PRAI US 1996-25616P 19960906 (60)
US 1996-25649P 19960911 (60)
DT Utility
FS APPLICATION
LN.CNT 1038
INCL INCLM: 514/044.000
INCLS: 435/320.100
NCL NCLM: 514/044.000
NCLS: 435/320.100
IC [7]
ICM: A61K048-00
ICS: C12N015-861
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 44 OF 93 USPTAFULL on STN
AN 2001:194410 USPTAFULL
TI Gene therapy by secretory gland expression
IN German, Michael, San Francisco, CA, United States
Goldfine, Ira D., Kentfield, CA, United States
Rothman, Stephen S., Berkeley, CA, United States
PI US 2001036925 A1 20011101

AI US 2001-755492 A1 20010104 (9)
RLI Division of Ser. No. US 1998-130886, filed on 7 Aug 1998, GRANTED, Pat.
No. US 6255289 Continuation of Ser. No. US 1996-591197, filed on 16 Jan
1996, GRANTED, Pat. No. US 5885971 Continuation-in-part of Ser. No. US
1995-410660, filed on 24 Mar 1995, GRANTED, Pat. No. US 5837693
DT Utility
FS APPLICATION
LN.CNT 1574
INCL INCLM: 514/044.000
INCLS: 435/366.000
NCL NCLM: 514/044.000
NCLS: 435/091.400; 435/320.100; 435/455.000
IC [7]
ICM: A61K048-00
ICS: C12N005-08
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 45 OF 93 USPATFULL on STN
AN 2001:191105 USPATFULL
TI Agouti polypeptide compositions
IN Woychik, Richard P., Orinda, CA, United States
Bultman, Scott J., Lakewood, OH, United States
Michaud, Edward J., Kingston, TN, United States
PA UT-Battelle, LLC, Oak Ridge, TN, United States (U.S. corporation)
PI US 6310034 B1 20011030
AI US 1998-34088 19980303 (9)
RLI Continuation-in-part of Ser. No. US 1993-64385, filed on 21 May 1993,
now abandoned
DT Utility
FS GRANTED
LN.CNT 10935
INCL INCLM: 514/002.000
INCLS: 530/350.000; 530/300.000
NCL NCLM: 514/002.000
NCLS: 530/300.000; 530/350.000
IC [7]
ICM: C07K014-435
EXF 530/350; 530/300; 514/2; 435/69.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 46 OF 93 USPATFULL on STN
AN 2001:173732 USPATFULL
TI Modified lepidopteran receptors and hybrid multifunctional proteins for
use in transcription and regulation of transgene expression
IN Gage, Fred H., La Jolla, CA, United States
Suhr, Steven T., La Jolla, CA, United States
PA The Salk Institute for Biological Studies, La Jolla, CA, United States
(U.S. corporation)
PI US 6300488 B1 20011009
AI US 1997-891298 19970710 (8)
DT Utility
FS GRANTED
LN.CNT 1936
INCL INCLM: 536/023.400
INCLS: 435/069.100; 435/320.100; 435/325.000; 435/252.300; 435/172.300;
536/023.100; 536/023.400
NCL NCLM: 536/023.400
NCLS: 435/069.100; 435/252.300; 435/320.100; 435/325.000; 435/456.000;
536/023.100
TC [7]
ICM: C07N021-04
ICS: C07N015-00; C07N015-63
EXF 435/69.1; 435/320.1; 435/325; 435/252.3; 435/172.3; 536/23.1; 536/23.4
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 47 OF 93 USPATFULL on STN
AN 2001:145064 USPATFULL
TI PROCESS FOR PREPARING A DESIRED PROTEIN
IN DALBOGE, HENRIK, VIRUM, Denmark
PEDERSEN, JOHN, KOKKEDAL, Denmark
CHRISTENSEN, THORKILD, ALLEROD, Denmark
RINGSTED, JORLI WINNIE, BRONDBY, Denmark
JESSEN, TORBEN EHLERN, HOLBAEK, Denmark
PI US 2001018199 A1 20010830
AI US 1997-953217 A1 19971017 (8)
2001 40 55 63 1 10 M 1995 GRANTED

Pat. No. US 5691169
PRAI WO 1986-DK14 19860206
DK 1985-556 19850207
DT Utility
FS APPLICATION
LN.CNT 458
INCL INCLM: 435/069.400
INCLS: 530/350.000; 435/320.100; 435/252.330; 536/023.510; 536/023.200;
536/023.520
NCL NCLM: 435/069.400
NCLS: 530/350.000; 435/320.100; 435/252.330; 536/023.510; 536/023.200;
536/023.520
IC [7]
ICM: C12P021-04
ICS: C07K001-00; C07K017-00; C12N015-00; C12N015-09; C12N015-63;
C12N015-70; C12N015-74; C07K014-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 48 OF 93 USPATFULL on STN
AN 2001:107872 USPATFULL
TI Delivery of gene products by intestinal cell expression
IN German, Michael, San Francisco, CA, United States
Goldfine, Ira D., Kentfield, CA, United States
Rothman, Stephen S., Berkeley, CA, United States
PA The Regents of the University of California, Oakland, CA, United States
(U.S. corporation)
PI US 6258789 B1 20010710
WO 9811779 19980326
AI US 1999-254988 19990611 (9)
WO 1997-US16523 19970918
19990611 PCT 371 date
19990611 PCT 102(e) date
RLI Continuation-in-part of Ser. No. US 1996-717084, filed on 20 Sep 1996
DT Utility
FS GRANTED
LN.CNT 1591
INCL INCLM: 514/044.000
INCLS: 435/320.100; 435/455.000; 435/458.000
NCL NCLM: 514/044.000
NCLS: 435/320.100; 435/455.000; 435/458.000
IC [7]
ICM: A61K048-00
EXF 514/44; 424/93.2; 424/93.21; 435/320.1; 435/455; 435/458; 435/325;
435/69.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 49 OF 93 USPATFULL on STN
AN 2001:102799 USPATFULL
TI Gene delivery by secretory gland expression
IN German, Michael, San Francisco, CA, United States
Goldfine, Ira D., Kentfield, CA, United States
Rothman, Stephen S., Berkeley, CA, United States
PA The Regents of the University of California, Oakland, CA, United States
(U.S. corporation)
PI US 6255289 B1 20010703
AI US 1998-130886 19980807 (9)
RLI Continuation of Ser. No. US 1996-591197, filed on 16 Jan 1996, now
patented, Pat. No. US 5885971 Continuation-in-part of Ser. No. US
1995-410660, filed on 24 Mar 1995, now patented, Pat. No. US 5837693
DT Utility
FS GRANTED
LN.CNT 1670
INCL INCLM: 514/044.000
INCLS: 424/093.200; 435/320.100; 435/455.000; 435/458.000
NCL NCLM: 514/044.000
NCLS: 424/093.200; 435/320.100; 435/455.000; 435/458.000
IC [7]
ICM: A61K048-00
EXF 424/93.2; 514/44; 435/455; 435/458; 435/320.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 50 OF 93 USPATFULL on STN
AN 2001:63667 USPATFULL
TI Systemic gene therapy by intestinal cell transformation
IN German, Michael, San Francisco, CA, United States

Rothman, Stephen S., Berkeley, CA, United States
 PA The Regents of the University of California, Oakland, CA, United States
 (U.S. corporation)
 PI US 6225290 B1 20010501
 AI US 1996-717084 19960919 (8)
 DT Utility
 FS Granted
 LN.CNT 1415
 INCL INCLM: 514/044.000
 INCLS: 435/320.100; 435/455.000; 435/458.000
 NCL NCLM: 514/044.000
 NCLS: 435/320.100; 435/455.000; 435/458.000
 IC [7]
 ICM: A61K048-00
 ICS: C12N015-00
 EXF 514/44; 435/325; 435/320.1; 435/455; 435/458; 536/23.1; 536/23.5;
 536/23.51; 935/52; 935/55; 935/54; 935/66; 935/70; 935/76; 935/77;
 935/78; 424/93.21
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 51 OF 93 USPATFULL on STN
 AN 2001:29329 USPATFULL
 TI Recombinant expression of proteins from secretory cell lines
 IN Newgard, Christopher B., Dallas, TX, United States
 Halban, Philippe, Geneva, Switzerland
 Normington, Karl D., Dallas, TX, United States
 Clark, Samuel A., Rockwell, TX, United States
 Thigpen, Anice E., Dallas, TX, United States
 Quaade, Christian, Dallas, TX, United States
 Kruse, Fred, Dallas, TX, United States
 PA Board of Regents, The University of Texas System, Austin, TX, United
 States (U.S. corporation)
 Betagene, Inc., Dallas, TX, United States (U.S. corporation)
 PI US 6194176 B1 20010227
 AI US 1997-785271 19970117 (8)
 RLI Continuation-in-part of Ser. No. US 1996-589028, filed on 19 Jan 1996
 DT Utility
 FS Granted
 LN.CNT 7541
 INCL INCLM: 435/069.400
 INCLS: 435/240.200
 NCL NCLM: 435/069.400
 NCLS: 435/353.000
 IC [7]
 ICM: C12P021-06
 ICS: C12N005-00
 EXF 435/69.4; 435/240.2; 435/240.22; 435/252.3
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 52 OF 93 USPATFULL on STN
 AN 2000:113735 USPATFULL
 TI Recombinant expression of proteins from secretory cell lines
 IN Newgard, Christopher B., Dallas, TX, United States
 Halban, Philippe, Geneva, Switzerland
 Normington, Karl D., Dallas, TX, United States
 Clark, Samuel A., Rockwall, TX, United States
 Thigpen, Anice E., Dallas, TX, United States
 Quaade, Christian, Dallas, TX, United States
 Kruse, Fred, Dallas, TX, United States
 McGarry, Dennis, Dallas, TX, United States
 PA Board of Regents, The University of Texas System, Austin, TX, United
 States (U.S. corporation)
 Betagene, Inc., Dallas, TX, United States (U.S. corporation)
 PI US 6110707 20000829
 AI US 1997-784582 19970117 (8)
 RLI Continuation-in-part of Ser. No. US 1996-589028, filed on 19 Jan 1996
 PRAI US 1996-28279P 19961011 (60)
 DT Utility
 FS Granted
 LN.CNT 10089
 INCL INCLM: 435/069.400
 INCLS: 435/069.100
 NCL NCLM: 435/069.400
 NCLS: 435/069.100
 IC [7]

EXF 435/69.1; 435/188; 435/69.4; 435/69.5; 435/252.3; 435/320.1; 530/351;
530/350; 530/23.1; 530/23.5
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 53 OF 93 USPATFULL on STN
AN 2000:87959 USPATFULL
TI Recombinant expression of proteins from secretory cell lines
IN Newgard, Christopher B., Dallas, TX, United States
Normington, Karl D., Dallas, TX, United States
Clark, Samuel A., Rockwall, TX, United States
Thigpen, Anice E., Dallas, TX, United States
Quaade, Christian, Dallas, TX, United States
Kruse, Fred, Dallas, TX, United States
PA Betagene, Inc., Dallas, TX, United States (U.S. corporation)
Board of Regents, The University of Texas System, Austin, TX, United
States (U.S. corporation)
PI US 6087129 20000711
AI US 1996-589028 19960119 (8)
DT Utility
FS Granted
LN.CNT 6238
INCL INCLM: 435/069.400
INCLS: 435/069.100; 435/006.000
NCL NCLM: 435/069.400
NCLS: 435/006.000; 435/069.100
IC [7]
ICM: C12P021-00
ICS: C12P021-06; C12Q001-68
EXF 435/69.1; 435/6; 435/69.4; 514/44
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 54 OF 93 USPATFULL on STN
AN 2000:21405 USPATFULL
TI Bovine dipeptidylaminopeptidase 1
IN Frye, Christopher Carl, Bloomington, IN, United States
Hershberger, Charles Lee, Greenfield, IN, United States
Zhang, Haichao, Lake Bluff, IL, United States
PA Eli Lilly and Company, Indianapolis, IN, United States (U.S.
corporation)
PI US 6027911 20000222
AI US 1998-54985 19980403 (9)
RLI Division of Ser. No. US 1997-850227, filed on 2 May 1997
PRAI US 1996-17644P 19960508 (60)
DT Utility
FS Granted
LN.CNT 2600
INCL INCLM: 435/068.100
INCLS: 435/212.000; 435/219.000; 435/272.000
NCL NCLM: 435/068.100
NCLS: 435/212.000; 435/219.000; 435/272.000
IC [7]
ICM: C12P021-06
ICS: C12N009-48; C12N009-50; C07K001-00
EXF 435/68.1; 435/212; 435/219; 435/272
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 55 OF 93 USPATFULL on STN
AN 2000:1692 USPATFULL
TI Sequence-directed DNA binding molecules compositions and methods
IN Edwards, Cynthia A., Menlo Park, CA, United States
Cantor, Charles R., Boston, MA, United States
Andrews, Beth M., Maynard, MA, United States
Turin, Lisa M., Redwood City, CA, United States
Fry, Kirk E., Palo Alto, CA, United States
PA Genelabs Technologies, Inc., Redwood, CA, United States (U.S.
corporation)
PI US 6010849 20000104
AI US 1995-482080 19950607 (8)
RLI Division of Ser. No. US 1993-171389, filed on 20 Dec 1993, now patented,
Pat. No. US 5578444 which is a continuation-in-part of Ser. No. US
1993-123936, filed on 17 Sep 1993, now patented, Pat. No. US 5726014
which is a continuation-in-part of Ser. No. US 1992-996783, filed on 23
Dec 1992, now patented, Pat. No. US 5693463 which is a
continuation-in-part of Ser. No. US 1991-723618, filed on 27 Jun 1991,
now abandoned

FS Granted
LN.CNT 10022
INCL INCLM: 435/006.000
INCLS: 435/007.100
NCL NCLM: 435/006.000
NCLS: 435/007.100
IC [6]
ICM: C12Q001-68
ICS: G01N033-53
EXF 435/6; 435/7.1; 436/501; 536/23.1; 536/24.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 56 OF 93 USPATFULL on STN
AN 1999:170434 USPATFULL
TI Bovine dipeptidylaminopeptidase 1
IN Frye, Christopher Carl, Bloomington, IN, United States
Hershberger, Charles Lee, Greenfield, IN, United States
Zhang, Haichao, Lake Bluff, IL, United States
PA Eli Lilly and Company, Indianapolis, IN, United States (U.S. corporation)
PI US 6008041 19991228
AI US 1997-850227 19970502 (8)
PRAI US 1996-17644P 19960508 (60)
DT Utility
FS Granted
LN.CNT 2617
INCL INCLM: 435/325.000
INCLS: 435/219.000; 435/252.300; 435/254.110; 435/320.100; 536/023.200
NCL NCLM: 435/325.000
NCLS: 435/219.000; 435/252.300; 435/254.110; 435/320.100; 536/023.200
IC [6]
ICM: C12N009-50
ICS: C12N005-00; C12N001-20; C07H021-04
EXF 435/219; 435/252.3; 435/254.11; 435/320.1; 435/325; 536/23.2
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 57 OF 93 USPATFULL on STN
AN 1999:166984 USPATFULL
TI Protein delivery by secretory gland expression
IN Rothman, Stephen S., Berkeley, CA, United States
Goldfine, Ira D., Kentfield, CA, United States
German, Michael S., San Francisco, CA, United States
PA The Regents of the University of California, Oakland, CA, United States (U.S. corporation)
PI US 6004944 19991221
AI US 1997-942939 19971002 (8)
RLI Continuation-in-part of Ser. No. US 1996-591197, filed on 16 Jan 1996, now patented, Pat. No. US 5885971 which is a continuation-in-part of Ser. No. US 1995-410660, filed on 24 Mar 1995, now patented, Pat. No. US 5837693
DT Utility
FS Granted
LN.CNT 1989
INCL INCLM: 514/044.000
INCLS: 562/023.100; 435/320.100; 435/325.000; 435/455.000; 435/458.000
NCL NCLM: 514/044.000
NCLS: 435/320.100; 435/325.000; 435/455.000; 435/458.000; 536/023.100; 536/023.500
IC [6]
ICM: A61K048-00
ICS: C12N015-00
EXF 514/44; 424/93.21; 435/325; 435/320.1; 435/455; 435/458; 536/23.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 58 OF 93 USPATFULL on STN
AN 1999:75524 USPATFULL
TI Modular assembly retroviral vectors and uses thereof
IN Gage, Fred H., La Jolla, CA, United States
Suhr, Steven T., La Jolla, CA, United States
PA The Salk Institute for Biological Studies, La Jolla, CA, United States (U.S. corporation)
PI US 5919667 19990706
AI US 1996-667025 19960620 (8)
DT utility
FS Granted

INCL INCLM: 435/091.400
INCLS: 435/320.100; 435/172.300; 435/069.100; 435/325.000
NCL NCLM: 435/091.400
NCLS: 435/069.100; 435/320.100; 435/325.000; 435/456.000
IC [6]
ICM: C12N015-63
ICS: C12N015-64; C12N015-67; C12N015-86
EXF 435/172.3; 435/320.1; 435/325; 435/69.1; 435/91.04; 536/23.1; 536/24.1;
514/44

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 59 OF 93 USPATFULL on STN
AN 1999:43465 USPATFULL
TI Methods and compositions for inhibiting hexokinase
IN Newgard, Christopher B., Dallas, TX, United States
Han, He-Ping, Dallas, TX, United States
Becker, Thomas C., Carrollton, TX, United States
Wilson, John E., East Lansing, MI, United States
PA Betagene, Inc., Dallas, TX, United States (U.S. corporation)
Board of Regents, The University of Texas System, Austin, TX, United States (U.S. corporation)
PI US 5891717 19990406
AI US 1996-588976 19960119 (8)
DT Utility
FS Granted
LN.CNT 5470
INCL INCLM: 435/325.000
INCLS: 435/069.100; 435/064.700; 435/194.000; 435/320.100; 435/455.000;
435/456.000; 435/458.000; 435/463.000; 536/023.200; 536/023.400;
935/013.000; 935/014.000; 935/032.000; 935/057.000; 935/060.000;
935/070.000; 935/071.000
NCL NCLM: 435/325.000
NCLS: 435/069.100; 435/069.700; 435/194.000; 435/320.100; 435/455.000;
435/456.000; 435/458.000; 435/463.000; 536/023.200; 536/023.400
IC [6]
ICM: C12N005-10
ICS: C12N015-85; C12N015-56; C12N015-62
EXF 435/69.1; 435/69.7; 435/194; 435/172.3; 435/252.3; 435/320.1; 435/325;
435/455; 435/456; 435/458; 435/463; 536/23.2; 536/23.4

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 60 OF 93 USPATFULL on STN
AN 1999:40228 USPATFULL
TI Bacterial polypeptide expression employing tryptophan promoter-operator
IN Kleid, Dennis G., San Mateo, CA, United States
Yansura, Daniel G., San Francisco, CA, United States
Heyneker, Herbert L., Burlingame, CA, United States
Miozzari, Giuseppe F., San Carlos, CA, United States
PA Genentech, Inc., So. San Francisco, CA, United States (U.S. corporation)
PI US 5888808 19990330
AI US 1993-55960 19930429 (8)
RLI Continuation of Ser. No. US 1991-655215, filed on 12 Feb 1991, now
abandoned which is a continuation of Ser. No. US 1987-76253, filed on 21
Jul 1987, now abandoned which is a continuation of Ser. No. US
1984-685521, filed on 24 Dec 1984, now abandoned which is a continuation
of Ser. No. US 1981-307473, filed on 1 Oct 1981, now abandoned which is
a continuation of Ser. No. US 1980-133296, filed on 24 Mar 1980, now
abandoned
DT Utility
FS Granted
LN.CNT 1098
INCL INCLM: 435/320.100
INCLS: 435/069.100; 435/069.400; 435/252.330; 435/471.000; 435/476.000;
435/488.000; 536/023.510
NCL NCLM: 435/320.100
NCLS: 435/069.100; 435/069.400; 435/252.330; 435/471.000; 435/476.000;
435/488.000; 536/023.510
IC [6]
ICM: C12N015-63
ICS: C12N015-70
EXF 435/6; 435/69.1; 435/69.4; 435/71.1; 435/91; 435/172.3; 435/252.3;
435/320.1; 536/23.51; 935/13; 935/29; 935/40; 935/41; 935/56; 935/60;
935/73

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 1999:37087 USPATFULL
TI Gene therapy by secretory gland expression
IN German, Michael, San Francisco, CA, United States
Goldfine, Ira D., Kentfield, CA, United States
Rothman, Stephen S., Berkeley, CA, United States
PA The Regents of the University of California, Oakland, CA, United States
(U.S. corporation)
PI US 5885971 19990323
AI US 1996-591197 19960116 (8)
RLI Continuation-in-part of Ser. No. US 1995-410660, filed on 24 Mar 1995
DT Utility
FS Granted
LN.CNT 1680
INCL INCLM: 514/044.000
NCL NCLM: 514/044.000
IC [6]
ICM: A61K048-00
EXF 435/240.2; 435/320.1; 536/23.5; 424/93.21; 514/44
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 62 OF 93 USPATFULL on STN
AN 1999:18912 USPATFULL
TI Method of determining DNA sequence preference of a DNA-binding molecule
IN Edwards, Cynthia A., Menlo Park, CA, United States
Cantor, Charles R., Boston, MA, United States
Andrews, Beth M., Maynard, MA, United States
Turin, Lisa M., Redwood City, CA, United States
Fry, Kirk E., Palo Alto, CA, United States
PA Genelabs Technologies, Inc., Redwood City, CA, United States (U.S.
corporation)
PI US 5869241 19990209
AI US 1995-475228 19950607 (8)
RLI Division of Ser. No. US 1993-171389, filed on 20 Dec 1993, now patented,
Pat. No. US 5578444 which is a continuation-in-part of Ser. No. US
1993-123936, filed on 17 Sep 1993, now patented, Pat. No. US 5726014
which is a continuation-in-part of Ser. No. US 1992-996783, filed on 23
Dec 1992, now patented, Pat. No. US 5693463 which is a
continuation-in-part of Ser. No. US 1991-723618, filed on 27 Jun 1991,
now abandoned
DT Utility
FS Granted
LN.CNT 9840
INCL INCLM: 435/006.000
INCLS: 435/911.000; 435/912.000; 935/077.000; 935/078.000
NCL NCLM: 435/006.000
NCLS: 435/091.100; 435/091.200
IC [6]
ICM: C12Q001-68
ICS: C12P019-34
EXF 435/6; 435/91.1; 435/91.2; 935/77; 935/78
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 63 OF 93 USPATFULL on STN
AN 1998:162337 USPATFULL
TI Hexokinase inhibitors
IN Newgard, Christopher B., Dallas, TX, United States
Han, He-Ping, Arlington, TX, United States
Normington, Karl D., Dallas, TX, United States
PA Board of Regents, The University of Texas System, Austin, TX, United
States (U.S. corporation)
Betagene, Inc., Dallas, TX, United States (U.S. corporation)
PI US 5854067 19981229
AI US 1996-588983 19960119 (8)
DT Utility
FS Granted
LN.CNT 5377
INCL INCLM: 435/366.000
INCLS: 425/004.000; 425/006.000; 425/091.100; 425/091.310; 425/183.000;
425/320.100; 425/325.000; 536/023.100; 536/024.310; 536/024.500
NCL NCLM: 435/366.000
NCLS: 435/004.000; 435/006.000; 435/091.100; 435/091.310; 435/183.000;
435/320.100; 435/325.000; 536/023.100; 536/024.310; 536/024.500
IC [6]
ICM: C12N015-85
ICS: C12N015-00; C12N015-63; C12Q001-68
EXF 435/6; 435/91.1; 435/91.2; 935/77; 935/78
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

536/23.1; 536/24.5; 514/44; 576/24.31
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 64 OF 93 USPATFULL on STN
AN 1998:144092 USPATFULL
TI Intravenous hormone polypeptide delivery by salivary gland expression
IN German, Michael, San Francisco, CA, United States
Goldfine, Ira D., Kentfield, CA, United States
Rothman, Stephen S., Berkeley, CA, United States
PA The Regents of the University of California, Oakland, CA, United States
(U.S. corporation)
PI US 5837693 19981117
AI US 1995-410660 19950324 (8)
DT Utility
FS Granted
LN.CNT 1540
INCL INCLM: 514/044.000
INCLS: 424/093.210; 435/320.100; 435/325.000; 435/172.300; 536/023.100
NCL NCLM: 514/044.000
NCLS: 424/093.210; 435/320.100; 435/325.000; 536/023.100
IC [6]
ICM: A01N043-04
EXF 424/93.21; 435/320.1; 435/325; 435/172.3; 514/49; 935/2; 935/33; 935/52;
536/23.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 65 OF 93 USPATFULL on STN
AN 1998:72727 USPATFULL
TI Receptor activation with inactive hepatocyte growth factor ligands
IN Godowski, Paul J., Pacifica, CA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S.
corporation)
PI US 5770704 19980623
AI US 1997-792078 19970131 (8)
RLI Continuation of Ser. No. US 1995-423291, filed on 17 Apr 1995, now
abandoned which is a division of Ser. No. US 1994-268880, filed on 30
Jun 1994, now abandoned which is a continuation of Ser. No. US
1992-950572, filed on 22 Sep 1992, now abandoned which is a
continuation-in-part of Ser. No. US 1992-884811, filed on 18 May 1992,
now patented, Pat. No. US 5316921 And Ser. No. US 1992-885971, filed on
18 May 1992, now patented, Pat. No. US 5328837
DT Utility
FS Granted
LN.CNT 2643
INCL INCLM: 530/402.000
INCLS: 424/194.100; 424/195.110; 530/399.000
NCL NCLM: 530/402.000
NCLS: 424/194.100; 424/195.110; 530/399.000
IC [6]
ICM: A61K038-18
ICS: C07K014-475
EXF 530/402; 530/399; 530/350; 424/194.1; 424/195.11; 424/185.1; 424/198.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 66 OF 93 USPATFULL on STN
AN 1998:65362 USPATFULL
TI Receptor activation with hepatocyte growth factor agonists
IN Godowski, Paul J., Burlingame, CA, United States
PA Genentech, Inc., San Francisco, CA, United States (U.S. corporation)
PT US 5763584 19980609
AI US 1995-435764 19950505 (8)
RLI Continuation of Ser. No. US 1993-87784, filed on 13 Jul 1993, now
abandoned which is a continuation-in-part of Ser. No. US 1992-950572,
filed on 21 Sep 1992, now abandoned which is a continuation-in-part of
Ser. No. US 1992-884811, filed on 18 May 1992, now patented, Pat. No. US
5316921 And a continuation-in-part of Ser. No. US 1992-885971, filed on
18 May 1992, now patented, Pat. No. US 5328837
DT Utility
FS Granted
LN.CNT 2955
INCL INCLM: 530/402.000
INCLS: 530/399.000; 424/195.110; 424/194.100
NCL NCLM: 530/402.000
NCLS: 424/194.100; 424/195.110; 530/399.000
IC [6]

ICS: A61K038-18
EXF 424/185.1; 424/195.11; 424/198.1; 424/194.1; 435/68.1; 530/402; 530/399
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 67 OF 93 USPATFULL on STN
AN 1998:44877 USPATFULL
TI Sequence-directed DNA-binding molecules compositions and methods
IN Edwards, Cynthia A., Menlo Park, CA, United States
Fry, Kirk E., Palo Alto, CA, United States
Cantor, Charles R., Boston, MA, United States
Andrews, Beth M., Maynard, MA, United States
PA Genelabs Technologies, Inc., Redwood City, CA, United States (U.S. corporation)
PI US 5744131 19980428
AI US 1995-476876 19950607 (8)
RLI Division of Ser. No. US 1992-996783, filed on 23 Dec 1992 which is a continuation-in-part of Ser. No. US 1991-723618, filed on 27 Jun 1991, now abandoned
DT Utility
FS Granted
LN.CNT 5113
INCL INCLM: 424/078.080
INCLS: 436/501.000; 514/001.000
NCL NCLM: 424/078.080
NCLS: 436/501.000; 514/001.000
IC [6]
ICM: A61K031-74
ICS: G01N033-566; G01N033-558
EXF 536/23.1; 536/27.1; 546/109; 436/501; 514/1; 424/78.08
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 68 OF 93 USPATFULL on STN
AN 1998:39383 USPATFULL
TI Sequence-directed DNA-binding molecules compositions and methods
IN Edwards, Cynthia A., Menlo Park, CA, United States
Fry, Kirk E., Palo Alto, CA, United States
Cantor, Charles R., Boston, MA, United States
Andrews, Beth M., Maynard, MA, United States
PA Genelabs Technologies, Inc., Redwood City, CA, United States (U.S. corporation)
PI US 5738990 19980414
AI US 1995-475221 19950607 (8)
RLI Division of Ser. No. US 1992-996783, filed on 23 Dec 1992 which is a continuation-in-part of Ser. No. US 1991-723618, filed on 27 Jun 1991, now abandoned
DT Utility
FS Granted
LN.CNT 5040
INCL INCLM: 435/006.000
INCLS: 435/691.000; 435/172.300; 435/320.100; 536/024.100; 935/036.000; 935/039.000
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/320.100; 536/024.100
IC [6]
ICM: C12P021-02
ICS: C12N015-67; C07H021-04
EXF 435/172.1; 435/69.1; 435/6; 435/320.1; 435/172.3; 536/24.1; 935/36; 935/39
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 69 OF 93 USPATFULL on STN
AN 1998:25075 USPATFULL
TI Screening assay for the detection of DNA-binding molecules
IN Edwards, Cynthia A., Menlo Park, CA, United States
Cantor, Charles R., Boston, MA, United States
Andrews, Beth M., Watertown, MA, United States
Turin, Lisa M., Berkeley, CA, United States
PA Genelabs Technologies, Inc., Redwood City, CA, United States (U.S. corporation)
PI US 5726014 19980310
AI US 1993-123936 19930917 (8)
RLI Continuation-in-part of Ser. No. US 1992-996783, filed on 23 Dec 1992 which is a continuation-in-part of Ser. No. US 1991-723618, filed on 27 Jun 1991, now abandoned
DT Utility

LN.CNT 5659
INCL INCLM: 435/006.000
INCLS: 435/091.200; 436/501.000
NCL NCLM: 435/006.000
NCLS: 435/091.200; 436/501.000
IC [6]
ICM: C12Q001-68
ICS: C12P019-34; G01N033-566
EXF 435/6; 435/235; 435/91.1; 435/91.2; 435/91.5; 536/23.1; 536/23.2;
436/501

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 70 OF 93 USPATFULL on STN
AN 1998:14634 USPATFULL
TI Method of constructing sequence-specific DNA-binding molecules
IN Edwards, Cynthia A., Menlo Park, CA, United States
Fry, Kirk E., Palo Alto, CA, United States
Cantor, Charles R., Boston, MA, United States
Andrews, Beth M., Watertown, MA, United States
PA Genelabs Technologies, Inc., Redwood City, CA, United States (U.S.
corporation)
PI US 5716780 19980210
AI US 1995-484499 19950607 (8)
RLI Division of Ser. No. US 1992-996783, filed on 23 Dec 1992 which is a
continuation-in-part of Ser. No. US 1991-723618, filed on 27 Jun 1991,
now abandoned
DT Utility
FS Granted
LN.CNT 4929
INCL INCLM: 435/006.000
INCLS: 436/501.000
NCL NCLM: 435/006.000
NCLS: 436/501.000
IC [6]
ICM: C12Q001-68
ICS: G01N033-566
EXF 435/6; 536/24.5; 935/33; 935/34; 935/36; 436/501
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 71 OF 93 USPATFULL on STN
AN 97:112300 USPATFULL
TI Method of ordering sequence binding preferences of a DNA-binding
molecule
IN Edwards, Cynthia A., Menlo Park, CA, United States
Fry, Kirk E., Palo Alto, CA, United States
Cantor, Charles R., Boston, MA, United States
Andrews, Beth M., Maynard, MA, United States⁴)
PA Genelabs Technologies, Inc., Redwood City, CA, United States (U.S.
corporation)
PI US 5693463 19971202
AI US 1992-996783 19921223 (7)
RLI Continuation-in-part of Ser. No. US 1991-723618, filed on 27 Jun 1991,
now abandoned
DT Utility
FS Granted
LN.CNT 4908
INCL INCLM: 435/006.000
INCLS: 435/007.230; 536/023.100; 935/076.000; 935/077.000
NCL NCLM: 435/006.000
NCLS: 435/007.230; 536/023.100
IC [6]
ICM: C12Q001-68
ICS: G01N033-574; C07H021-02; C12N015-00
EXF 435/6; 435/235; 536/23.1; 536/23.2; 514/44; 530/350; 530/351
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 72 OF 93 USPATFULL on STN
AN 97:101887 USPATFULL
TI Chimeric hepatocyte growth factor (HGF) ligand variants
IN Godowski, Paul J., Burlingame, CA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S.
corporation)
PI US 5684136 19971104
AI US 1995-435501 19950505 (8)
RLI Continuation of Ser. No. US 1993-87784, filed on 13 Jul 1993, now
US 5,600,000 A1 (1997-09-02)

filed on 21 Sep 1992, now abandoned which is a continuation-in-part of Ser. No. US 1992-884811, filed on 18 May 1992, now patented, Pat. No. US 5316921 And Ser. No. US 1992-885971, filed on 18 May 1992, now patented, Pat. No. US 5328837

DT Utility
FS Granted
LN.CNT 2916
INCL INCLM: 530/399.000
INCLS: 530/387.300
NCL NCLM: 530/399.000
NCLS: 530/387.300
IC [6]
ICM: C07K014-475
EXF 530/350; 530/399; 530/387.3; 530/402
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 73 OF 93 USPATFULL on STN
AN 97:96751 USPATFULL
TI Process for preparing a desired protein
IN Dalb.o slashed.ge, Henrik, Virum, Denmark
Pedersen, John, Kokkedal, Denmark
Christensen, Thorkild, Aller.o slashed.d, Denmark
Ringsted, J.o slashed.rli Winnie, Br.o slashed.ndby, Denmark
Jessen, Torben Ehler, Holbaek, Denmark
PA Novo Nordisk A/S, Denmark (non-U.S. corporation)
PI US 5679552 19971021
AI US 1995-450837 19950525 (8)
RLI Division of Ser. No. US 1995-402455, filed on 10 Mar 1995 which is a continuation of Ser. No. US 1995-372692, filed on 13 Jan 1995, now patented, Pat. No. US 5618597 which is a continuation of Ser. No. US 1992-959856, filed on 12 Nov 1992, now abandoned which is a continuation of Ser. No. US 1991-759106, filed on 6 Sep 1991, now abandoned which is a continuation of Ser. No. US 1988-215602, filed on 1 Jul 1988, now abandoned which is a continuation-in-part of Ser. No. US 1986-910230, filed on 2 Oct 1986, now abandoned which is a continuation-in-part of Ser. No. US 1984-640081, filed on 8 Aug 1984, now abandoned
PRAI DK 1982-5493 19821210
DK 1985-556 19850207

DT Utility
FS Granted
LN.CNT 509
INCL INCLM: 435/071.100
INCLS: 435/320.100; 536/023.510; 530/399.000
NCL NCLM: 435/071.100
NCLS: 435/320.100; 530/399.000; 536/023.510
IC [6]
ICM: C12P021-04
ICS: C12N015-18; C07H017-00; C07K014-61
EXF 435/69.4; 435/69.7; 435/320.1; 435/71.1; 530/350; 530/399; 530/300; 536/23.51
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 74 OF 93 USPATFULL on STN
AN 97:47508 USPATFULL
TI Amino-terminally extended ***human*** ***growth***
hormone (***HGH***)
IN Dalb.o slashed.ge, Henrik, Virum, Denmark
Pedersen, John, Kokkedal, Denmark
Christensen, Thorkild, Aller.o slashed.d, Denmark
Ringsted, J.o slashed.rli W., Br.o slashed.ndby, Denmark
Jessen, Torben E., Holbaek, Denmark
PA Novo Nordisk A/S, Denmark (non-U.S. corporation)
PI US 5635604 19970603
AI US 1995-450094 19950525 (8)
RLI Division of Ser. No. US 1995-402286, filed on 10 Mar 1995 which is a continuation of Ser. No. US 1995-372692, filed on 13 Jan 1995 which is a continuation of Ser. No. US 1992-959856, filed on 12 Nov 1992, now abandoned which is a continuation of Ser. No. US 1991-759106, filed on 6 Sep 1991, now abandoned which is a continuation of Ser. No. US 1988-215602, filed on 1 Jul 1988, now abandoned which is a continuation-in-part of Ser. No. US 1986-910230, filed on 2 Oct 1986, now abandoned which is a continuation-in-part of Ser. No. US 1984-640081, filed on 8 Aug 1984, now abandoned
PRAI DK 1982-5493 19821210
DK 1985-556 19850207

FS Granted
LN.CNT 479
INCL INCLM: 530/399.000
INCLS: 530/402.000; 530/412.000
NCL NCLM: 530/399.000
NCLS: 530/402.000; 530/412.000
IC [6]
ICM: C07K014-61
EXF 530/399; 530/402; 530/412; 530/427; 530/335; 530/337
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 75 OF 93 USPATFULL on STN
AN 97:45112 USPATFULL
TI Biosynthetic ***human*** ***growth*** ***hormone***
IN Dalb.o slashed.ge, Henrik, Virum, Denmark
Pedersen, John, Kokkedal, Denmark
Christensen, Thorkild, Aller.o slashed.d, Denmark
Ringsted, J.o slashed.rli w., Br.o slashed.ndby, Denmark
Jessen, Torben E., Holbaek, Denmark
PA Novo Nordisk A/S, Denmark (non-U.S. corporation)
PI US 5633352 19970527
AI US 1995-402286 19950310 (8)
RLI Continuation of Ser. No. US 1995-372692, filed on 13 Jan 1995 which is a
continuation of Ser. No. US 1992-959856, filed on 12 Nov 1992, now
abandoned which is a continuation of Ser. No. US 1991-759106, filed on 6
Sep 1991, now abandoned which is a continuation of Ser. No. US
1988-215602, filed on 1 Jul 1988, now abandoned which is a
continuation-in-part of Ser. No. US 1986-910230, filed on 2 Oct 1986,
now abandoned which is a continuation-in-part of Ser.No. US
1984-640081, filed on 8 Aug 1984, now abandoned
PRAI DK 1982-5493 19821210
DK 1985-556 19850207
DT Utility
FS Granted
LN.CNT 457
INCL INCLM: 530/399.000
NCL NCLM: 530/399.000
IC [6]
ICM: C07K014-61
EXF 530/399; 530/350; 536/23.1; 435/69.1; 435/320.1; 435/240.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 76 OF 93 USPATFULL on STN
AN 97:29356 USPATFULL
TI Process for preparing a desired protein
IN Dalb.o slashed.ge, Henrik, Virum, Denmark
Pedersen, John, Kokkedal, Denmark
Christensen, Thorkild, Aller.o slashed.d, Denmark
Ringsted, J.o slashed.rli w., Br.o slashed.ndby, Denmark
Jessen, Torben E., Holbaek, Denmark
PA Novo Nordisk A/S, Denmark (non-U.S. corporation)
PI US 5618697 19970408
AI US 1995-372692 19950113 (8)
RLI Continuation of Ser. No. US 1992-959856, filed on 12 Nov 1992, now
abandoned which is a continuation of Ser. No. US 1991-759106, filed on 6
Sep 1991, now abandoned which is a continuation of Ser. No. US
1988-215602, filed on 1 Jul 1988, now abandoned which is a
continuation-in-part of Ser. No. US 1986-910230, filed on 2 Oct 1986,
now abandoned which is a continuation-in-part of Ser. No. US
1984-640081, filed on 8 Aug 1984, now abandoned
PRAI DK 1982-5493 19821210
DK 1985-556 19850207
DT Utility
FS Granted
LN.CNT 450
INCL INCLM: 435/069.400
INCLS: 435/320.100; 530/399.000; 530/402.000; 536/023.510
NCL NCLM: 435/069.400
NCLS: 435/320.100; 530/399.000; 530/402.000; 536/023.510
IC [6]
ICM: C12P021-06
ICS: C12N005-10; C12N015-18; C07K014-61
EXF 435/69.4; 435/69.7; 435/320.1; 435/240.1; 530/399; 530/402; 536/23.1;
536/23.51
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 77 OF 93 USPATFULL on STN
 AN 96:108816 USPATFULL
 TI Sequence-directed DNA-binding molecules compositions and methods
 IN Edwards, Cynthia A., Menlo Park, CA, United States
 Cantor, Charles R., Boston, MA, United States
 Andrews, Beth M., Maynard, MA, United States
 Turin, Lisa M., Redwood City, CA, United States
 Fry, Kirk E., Palo Alto, CA, United States
 PA Genelabs Technologies, Inc., Redwood City, CA, United States (U.S.
 corporation)
 PI US 5578444 19961126
 AI US 1993-171389 19931220 (8)
 RLI Continuation-in-part of Ser. No. US 1993-123936, filed on 17 Sep 1993
 which is a continuation-in-part of Ser. No. US 1992-996783, filed on 23
 Dec 1992 which is a continuation-in-part of Ser. No. US 1991-723618,
 filed on 27 Jun 1991, now abandoned
 DT Utility
 FS Granted
 LN.CNT 5845
 INCL INCLM: 435/006.000
 INCLS: 435/007.230; 536/023.100; 935/076.000; 935/077.000
 NCL NCLM: 435/006.000
 NCLS: 435/007.230; 536/023.100
 IC [6]
 ICM: C12Q001-68
 ICS: C12N015-00; G01N033-574; C07H021-02
 EXF 435/6; 536/23.1; 536/23.2
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 78 OF 93 USPATFULL on STN
 AN 96:11075 USPATFULL
 TI DNA for expression of bovine growth hormone
 IN de Boer, Herman A., 86 Salada, No. 1, Pacifica, CA, United States 94044
 Heyneker, Herbert L., 2621 Easton Dr., Burlingame, CA, United States
 94010
 Seeburg, Peter H., 800 Kirkham, San Francisco, CA, United States 94122
 PI US 5489529 19960206
 AI US 1993-93383 19930719 (8)
 RLI Continuation of Ser. No. US 1991-303687, filed on 18 Sep 1991, now
 abandoned Ser. No. Ser. No. US 1984-632361, filed on 19 Jul 1984, now
 abandoned Ser. No. Ser. No. US 1988-178824, filed on 5 Apr 1988, now
 abandoned And Ser. No. US 1990-619827, filed on 28 Nov 1990, now
 patented, Pat. No. US 5260201
 DT Utility
 FS Granted
 LN.CNT 1464
 INCL INCLM: 435/243.000
 INCLS: 435/069.400; 435/252.330; 935/044.000; 935/045.000; 536/023.510
 NCL NCLM: 435/243.000
 NCLS: 435/069.400; 435/252.330; 536/023.510
 IC [6]
 ICM: C12N015-18
 ICS: C12N015-70
 EXF 435/69.1-71.3; 435/91.1; 435/172.1; 435/172.3; 435/252.3-252.35;
 435/321; 435/243; 935/10; 935/44; 935/45; 935/46; 935/61; 935/72;
 935/73; 536/23.51
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 79 OF 93 USPATFULL on STN
 AN 95:94679 USPATFULL
 TI Mature human fibroblast interferon
 IN Goeddel, David V., Burlingame, CA, United States
 Crea, Roberto, Burlingame, CA, United States
 PA Genentech, Inc., South San Francisco, CA, United States (U.S.
 corporation)
 PI US 5460811 19951024
 AI US 1989-365284 19890612 (7)
 RLI Continuation of Ser. No. US 1986-889722, filed on 28 Jul 1986, now
 abandoned which is a division of Ser. No. US 1981-291892, filed on 11
 Aug 1981, now abandoned which is a continuation-in-part of Ser. No. US
 1980-190799, filed on 25 Sep 1980, now abandoned
 DT Utility
 FS Granted
 LN.CNT 1071
 INCL INCLM: 424/085.600

NCL NCLM: 424/085.600
NCLS: 424/085.400; 530/351.000
IC [6]
ICM: C07K015-26
ICS: A61K037-66
EXF 530/351; 424/85.6; 424/85.4
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 80 OF 93 USPATFULL on STN
AN 93:93692 USPATFULL
TI Methods and products for facile microbial expression of DNA sequences
IN de Boer, Herman A., Pacifica, CA, United States
Heynerer, Herbert L., Burlingame, CA, United States
Seeburg, Peter H., San Francisco, CA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S. corporation)
PI US 5260201 19931109
AI US 1990-619827 19901128 (7)
RLI Continuation of Ser. No. US 1988-178824, filed on 5 Apr 1988, now abandoned which is a continuation of Ser. No. US 1984-632361, filed on 19 Jul 1984, now abandoned which is a continuation of Ser. No. US 1981-303687, filed on 18 Sep 1981, now abandoned
DT Utility
FS Granted
LN.CNT 1134
INCL INCLM: 435/069.400
INCLS: 435/091.410; 435/252.300; 435/252.330; 435/320.100; 935/045.000
NCL NCLM: 435/069.400
NCLS: 435/091.410; 435/252.300; 435/252.330; 435/320.100
IC [5]
ICM: C12P021-02
ICS: C12N015-71; C12N015-70; C12N015-03
EXF 435/69.1-71.3; 435/91; 435/172.1; 435/172.3; 435/252.3-252.35; 435/320.1; 536/27; 935/10; 935/44; 935/45; 935/46; 935/61; 935/72; 935/73
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 81 OF 93 USPATFULL on STN
AN 93:87250 USPATFULL
TI Method for expression of bovine growth hormone
IN de Boer, Herman A., Pacifica, CA, United States
Heyneker, Herbert L., Burlingame, CA, United States
Seeburg, Peter H., San Francisco, CA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S. corporation)
PI US 5254463 19931019
AI US 1990-582590 19900912 (7)
RLI Continuation of Ser. No. US 1988-178824, filed on 5 Apr 1988, now abandoned which is a continuation of Ser. No. US 1984-632361, filed on 19 Jul 1984, now abandoned which is a continuation of Ser. No. US 1981-303687, filed on 18 Sep 1981, now abandoned
DT Utility
FS Granted
LN.CNT 1121
INCL INCLM: 435/069.400
INCLS: 435/252.300; 435/252.330; 435/320.100; 935/045.000
NCL NCLM: 435/069.400
NCLS: 435/252.300; 435/252.330; 435/320.100
IC [5]
ICM: C12P021-02
ICS: C12N015-71; C12N015-70; C12N015-03
EXF 435/69.1-71.3; 435/91; 435/172.1; 435/172.3; 435/252.3-252.35; 435/320.1; 530/27; 935/10; 935/44; 935/45; 935/46; 935/61; 935/72; 935/73
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 82 OF 93 USPATFULL on STN
AN 93:57008 USPATFULL
TI ***Insulin*** receptor binding site
IN DeMeyts, Pierre, Pasadena, CA, United States
PA City of Hope, Duarte, CA, United States (U.S. corporation)
PI US 5227466 19930713
AI US 1988-213918 19880630 (7)
DT Utility
FS Granted

INCL INCLM: 530/305.000
INCLS: 530/303.000
NCL NCLM: 530/305.000
NCLS: 530/303.000
IC [5]
ICM: A61K037-02
ICS: C07K005-00
EXF 530/305; 530/303
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 83 OF 93 USPATFULL on STN
AN 93:18576 USPATFULL
TI Method to produce recombinant proteins using an expression vector
comprising transcriptional and translational activating sequences
IN Schoner, Brigitte E., Monrovia, IN, United States
Schoner, Ronald G., Monrovia, IN, United States
PA Eli Lilly and Company, Indianapolis, IN, United States (U.S.
corporation)
PI US 5192669 19930309
AI US 1991-744612 19910813 (7)
RLI Division of Ser. No. US 1989-449199, filed on 12 Dec 1989, now patented,
Pat. No. US 5063158 which is a continuation-in-part of Ser. No. US
1987-118678, filed on 9 Nov 1987, now abandoned
DT Utility
FS Granted
LN.CNT 1118
INCL INCLM: 435/069.400
INCLS: 435/069.100; 435/252.310; 435/252.350; 435/252.330; 435/320.100;
935/044.000
NCL NCLM: 435/069.400
NCLS: 435/069.100; 435/252.310; 435/252.330; 435/252.350; 435/320.100
IC [5]
ICM: C12P021-06
ICS: C12N001-20; C12N015-00
EXF 435/69.1; 435/252.3; 435/252.33; 935/44; 935/45; 935/6; 935/8
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 84 OF 93 USPATFULL on STN
AN 92:72398 USPATFULL
TI Construction of an IgG binding protein to facilitate downstream
processing using protein engineering
IN Abrahmsen, Lars, Stockholm, Sweden
Moks, Tomas, Taby, Sweden
Nilsson, Bjorn, Sollentuna, Sweden
Uhlen, Mathias, Upsala, Sweden
PA KabiGen AB, Stockholm, Sweden (non-U.S. corporation)
PI US 5143844 19920901
AI US 1990-594564 19901009 (7)
PRAI SE 1985-5922 19851213
DT Utility
FS Granted
LN.CNT 616
INCL INCLM: 435/257.300
INCLS: 435/069.700; 435/370.100; 530/417.000
NCL NCLM: 435/252.300
NCLS: 435/069.700; 435/320.100; 530/412.000
IC [5]
ICM: C12N015-31
ICS: C12N015-62; C12N015-63
EXF 435/69.7; 435/172.3; 435/252.3; 435/320.1; 530/412
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 85 OF 93 USPATFULL on STN
AN 91:90692 USPATFULL
TI Recombinant DNA expression vector comprising both transcriptional and
translational activating sequences
IN Schoner, Brigitte E., Monrovia, IN, United States
Schoner, Ronald G., Monrovia, IN, United States
PA Eli Lilly and Company, Indianapolis, IN, United States (U.S.
corporation)
PI US 5063158 19911105
AI US 1989-449199 19891212 (7)
RLI Continuation-in-part of Ser. No. US 1987-118678, filed on 9 Nov 1987,
now abandoned
DT Utility

LN.CNT 1118
INCL INCLM: 435/252.300
INCLS: 435/172.300; 435/252.330; 435/320.100; 536/027.000; 935/033.000;
935/039.000; 935/044.000
NCL NCLM: 435/252.300
NCLS: 435/252.330; 435/320.100; 536/023.100; 536/024.100
IC [5]
ICM: C12N015-67
ICS: C12N015-09; C07N015-12
EXF 435/320.1; 435/172.3; 435/252.33; 935/33; 935/38; 935/39; 935/44;
935/45; 536/27
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 86 OF 93 USPATFULL on STN
AN 90:95022 USPATFULL
TI Vector comprising signal peptide-encoding DNA for use in Bacillus and
other microorganisms
IN Kovacevic, Steven, Indianapolis, IN, United States
Miller, James R., Indianapolis, IN, United States
Veal, Loraine E., Phoenix, AZ, United States
Wood, John S., Indianapolis, IN, United States
PA Eli Lilly and Company, Indianapolis, IN, United States (U.S.
corporation)
PI US 4977089 19901211
AI US 1987-10245 19870130 (7)
DT Utility
FS Granted
LN.CNT 1176
INCL INCLM: 435/252.310
INCLS: 435/172.300; 435/252.330; 435/320.000; 935/011.000; 935/029.000;
935/073.000; 935/074.000
NCL NCLM: 435/252.310
NCLS: 435/252.330; 435/320.100
IC [5]
ICM: C12N015-70
ICS: C12N015-75
EXF 435/68; 435/172.3; 435/253; 435/839; 435/320; 435/252.31; 435/252.33;
935/11; 935/29; 935/73; 935/74
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 87 OF 93 USPATFULL on STN
AN 89:92616 USPATFULL
TI Terminal methionyl bovine growth hormone and its use
IN de Boer, Herman A., Pacifica, CA, United States
Heynerer, Herbert L., Burlingame, CA, United States
Seeburg, Peter H., San Francisco, CA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S.
corporation)
PI US 4880910 19891114
AI US 1984-618616 19840608 (6)
RLI Division of Ser. No. US 1981-303687, filed on 18 Sep 1981, now abandoned
DT Utility
FS Granted
LN.CNT 972
INCL INCLM: 530/350.000
NCL NCLM: 530/350.000
IC [4]
ICM: C07K007-10
EXF 260/112.5R; 514/12; 530/350
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 88 OF 93 USPATFULL on STN
AN 89:69698 USPATFULL
TI Recombinant procaryotic cell containing correctly processed
****human**** ****growth**** ****hormone****
IN Gray, Gregory L., San Francisco, CA, United States
Heyneker, Herbert L., Burlingame, CA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S.
corporation)
PI US 4859600 19890822
AI US 1988-186493 19880426 (7)
RLI Division of Ser. No. US 1983-488232, filed on 25 Apr 1983, now patented,
Pat. No. US 4755465
DT Utility
FS Granted

INCL INCLM: 435/252.330
INCLS: 435/172.300; 435/252.340; 435/252.300; 530/399.000
NCL NCLM: 435/252.330
NCLS: 435/252.300; 435/252.350; 530/399.000; 930/120.000; 930/300.000
IC [4]
ICM: C12N001-16
ICS: E12N015-00; C07K013-00
EXF 435/172.3; 435/70; 435/253; 530/399
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 89 OF 93 USPATFULL on STN
AN 89:17246 USPATFULL
TI Microbial production of mature human leukocyte interferon K and L
IN Goeddel, David V., Burlingame, CA, United States
Pestka, Sidney, North Caldwell, NJ, United States
PA Hoffmann-La Roche Inc., Nutley, NJ, United States (U.S. corporation)
Genentech, Inc., So. San Francisco, CA, United States (U.S. corporation)
PI US 4810645 19890307
AI US 1986-822984 19860127 (6)
RLI Division of Ser. No. US 1981-293044, filed on 14 Aug 1981, now abandoned
DT Utility
FS Granted
LN.CNT 1517
INCL INCLM: 435/068.000
INCLS: 435/172.300; 435/320.000; 435/252.330; 536/027.000; 424/085.700
NCL NCLM: 435/069.510
NCLS: 424/085.700; 435/252.330; 435/320.100; 536/023.520; 536/024.100;
930/142.000; 930/300.000
IC [4]
ICM: C12P021-00
ICS: C12N015-00; C07H021-04
EXF 435/68; 435/172.3; 435/253; 435/320; 536/27; 424/88; 424/85
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 90 OF 93 USPATFULL on STN
AN 89:7651 USPATFULL
TI Microbial production of mature human leukocyte interferon K and L
IN Goeddel, David V., Burlingame, CA, United States
Pestka, Sidney, North Caldwell, NJ, United States
PA Hoffmann-La Roche Inc., Nutley, NJ, United States (U.S. corporation)
Genentech, Inc., So. San Francisco, CA, United States (U.S. corporation)
PI US 4801685 19890131
AI US 1987-56623 19870601 (7)
RLI Continuation of Ser. No. US 1986-894076, filed on 5 Aug 1986, now
abandoned which is a continuation of Ser. No. US 1981-293044, filed on
14 Aug 1981, now abandoned
DT Utility
FS Granted
LN.CNT 1464
INCL INCLM: 530/351.000
INCLS: 424/085.700; 435/068.000; 435/811.000
NCL NCLM: 530/351.000
NCLS: 424/085.700; 435/069.510; 435/811.000; 930/142.000
IC [4]
ICM: C07K013-00
ICS: C07K015-26; A61K045-02; C12P021-00
EXF 424/85; 530/351; 435/68; 435/811
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 91 OF 93 USPATFULL on STN
AN 88:42303 USPATFULL
TI Secretion of correctly processed ***human*** ***growth***
hormone in E. coli and Pseudomonas
IN Gray, Gregory L., San Francisco, CA, United States
Heyneker, Herbert L., Burlingame, CA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S.
corporation)
PI US 4755465 19880705
AI US 1983-488232 19830425 (6)
DT Utility
FS Granted
LN.CNT 302
INCL INCLM: 435/070.000
INCLS: 435/172.300; 935/013.000
NCL NCLM: 435/069.400

IC [4]
ICM: C12P021-02
ICS: C12N015-00
EXF 435/172.3; 435/68; 435/70; 435/253; 435/317; 435/13
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 92 OF 93 USPATFULL on STN
AN 87:32195 USPATFULL
TI Method of altering double-stranded DNA
IN Kleid, Dennis G., San Mateo, CA, United States
Yansura, Daniel G., San Francisco, CA, United States
Heyneker, Herbert L., Burlingame, CA, United States
Miozzari, Giuseppe F., San Carlos, CA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S.
corporation)
PI US 4663283 19870505
AI US 1983-543682 19831020 (6)
RLI Division of Ser. No. US 1981-307473, filed on 1 Oct 1981, now abandoned
which is a continuation of Ser. No. US 1980-133296, filed on 24 Mar
1980, now abandoned
DT Utility
FS Granted
LN.CNT 1041
INCL INCLM: 435/091.000
INCLS: 435/172.300
NCL NCLM: 435/091.530
NCLS: 536/023.100
IC [4]
ICM: C12P019-34
ICS: C12N015-00
EXF 435/91; 435/172.3; 935/6; 935/9; 935/19
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 93 OF 93 USPATFULL on STN
AN 85:65304 USPATFULL
TI Microbial hybrid promoters
IN DeBoer, Herman A., Pacifica, CA, United States
PA Genentech, Inc., San Francisco, CA, United States (U.S. corporation)
PI US 4551433 19851105
AI US 1982-338397 19820111 (6)
STN INTERNATIONAL LOGOFF AT 09:24:37 ON 16 SEP 2003